SAMPLE RECEIPT

ORIGINAL (Red)

•	On 5 February, 1980, Ecology & Environment, Inc., representative
no	on responsive based on revised scope received permission from <u>Lave Beattie</u>
	to remove material from his/her property, contained infour_ (4)
	1-quart glass organic sample bottle(s), $two(2)$ 40 ml glass volatile organic
	sample bottle(s), \underline{no} 8 oz. glass hazardous sample jar(s) and $\underline{one(i)}$
	inorganic 1-quart polyethylene sample bottle(s).

Property Owner, Signature & Date

non responsive based on revised scope

Ecology & Environment, Inc., Representative Signature & Date

SAM	LE ID08	3	SAMPI	.E II C0408	
LAB			LAB I		
DATE	EXTRACTED 2/7/8	31	DATE	EXTRACTED 2/16/81	
	INJECTED 2/22/			INJECTED 2/26/81	
STD	ID DFTPP1263 F	PHEN310		D DFTPP103 BNSTD053	
CONC	FACTOR 1000			FACTOR 1000 ORIGINA (Red)	L
				•	
	Compounds	ug/l			g/1
21'A	2,4,6-trichloropheno		41B	4-bromophenyl phenyl ether	ND
22A	p-chloro-m-cresol	<u>ND</u>	<u>42B</u>	bis(2-chloroisopropyl) ether	ND
24A	2-chlorophenol	ND_	<u>43B</u>	bis (2-chloroethoxy) methane	
31A	2,4-dichlorophenol	ND_	<u>52B</u>	hexachlorobutadiene	ND
34A	2,4-dimethylphenol	ND_	<u>53B</u>	hexachlorocyclopentadiene	ND
<u>57A</u>	2-nitrophenol	ND_	<u>54B</u>	isophorone	ND
<u>58A</u>	4-nitrophenol	ND	<u>55B</u>	naphthalene	ND
59A	2,4-dinitrophenol	ND_	56B	nitrobenzene	ND_
60A	4,6-dinitro-o-cresol	ND_	61B	N-nitrosodimethylamine	ND
64A	pentachlorophenol	ND_	62B	N-nitrosodiphenylamine	ND
65A	phenol	ND	63B	N-nitrosodi-n-propylamine	ND
		•	66B	bis (2-ethylhexyl) phthalate	N <u>D</u>
Base	/Neutral Compounds	·	67B	butyl benzyl phthalate	ND
			68B	di-n-butyl phthalate	ND
1B.	acenaphthene	ND	69B	di-n-octyl phthalate	ND_
5B	benzidine	. ND.	70B	diethyl phthalate	ND
8B	1,2,4-trichlorobenze	ene ND	71B	dimethyl phthalate	ND_
9B	hexachlorobenzene	ND_	72B	benzo(a) anthracene	ND_
12B	hexachloroethane	ND ·	73B	benzo(a)pyrene	ND
18B	bis(2-chloroethyl)et	her ND	74B	3,4-benzofluoranthene	ND
20B	2-chloronapthalene	ND	75B	benzo(k)fluoranthene	ND_
25B	1,2-dichlorobenzene	ND_	76B	chrysene	ND
26B	1,3-dichlorobenzene	ND	77B	acenaphthylene	ND_
27B	1,4-dichlorobenzene	ND_	78B	anthracene	ND_
28B	3,3'-dichlorobenzidi		`79B	benzo(ghi)perylene	ND_
35B	2,4-dinitrotoluene	ND_	80B	fluorene	ND_
36B	2,6-dinitrotoluene	ND_	81B	phenanthrene	ND.
37B	1,2-diphenylhydrazi		82B	dibenzo(a,h)anthracene	ND.
	(as azobenzene)	ND	83B	indeno(1,2,3-cd)pyrene	_ND_
39B	fluoranthene	ND	84B	pyrene	ND
40B	4-chlorophenyl pher		129B	2,3,7,8-tetrachlorodibenzo-	
-			p-dio	xin	_ND_
	• .				

SAMPLE ID	0408	
LAB ID	20448V1	<u>.</u> :
DATE INJECTED	2/9/81	
STD ID	DFTPP1251 VOA115	
CONC FACTOR		

	•	
Volat	tiles	ug/l
<u>2V</u>	acrolein	<u>ND</u>
<u>3V</u>	acrylonitrile	<u>ND</u>
<u>4V</u>	benzene	ND
<u>6V</u>	carbon tetrachloride	ND
<u>7V</u>	chlorobenzene	ND
10V	1,2-dichloroethane	ND
11V	1,1,1-trichloroethane	*
13V	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND.
15V	1,1,2,2-tetrachloroethane	ND.
16V	chloroethane	ND
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX
19V	2-chloroethylvinyl ether	· ND
23V	chloroform	*
29V	1,1-dichloroethylene	· ND
30V	1,2-trans-dichloroethylene	ND.
32V	1,2-dichloropropane	ND.
33V	1,3-dichloropropylene	ND
38V	ethylbenzene	ND
44V	methylene chloride	38
45V	methyl chloride	ND
46V	methyl bromide	ND
47V	bromoform	ND
48V	dichlorobromomethane	ND
490	trichlorofluoromethane	ND
50V	dichlorodifluoromethane	ND
51V	chlorodibromomethane	ND
85V	tetrachloroethylene	ND
86V	toluene	*
87V	trichloroethylene	ND
88V	vinyl chloride	ND

SAMPLE ID	C0408
LAB ID	20844 TRACE #2210
DATE EXTRACTED	2/6/81
DATE INJECTED	2/9/81
STD ID	TRACE #2213
CONC FACTOR	100

Pestici	ides	ORIGINAL
		(Red) ug/l
89P	aldrin	ND
90P	dieldrin	ND
<u>91P</u>	chlordane	ND
92P	4,4'-DDT	ND_
93P	4,4'-DDE	ND
94P	4,4'-DDD	ND
95P	alpha-endosulfan	ND
96P	beta-endosulfan	ND
97P	endosulfan sulfate	ND
98P	endrin	ND
99P	endrin aldehyde	ND ND
100P	heptachlor	ND
101P	heptachlor epoxide	ND
102P	alpha-BHC	ND
103P	beta-BHC	ND
104P	gamma-BHC	ND_
105P	delta-BHC	NDND
106P	PCB-1242	ND_
107P	PCB-1254	<u> </u>
108P	PCB-1221	NDND
109P	PCB-1232	ND_
110P	PCB-1248	ND_
111P	PCB-1260	ND
112P	PCB-1016	ND ND
113P	toxaphene	ND

^{* =} Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

26 QC Report No:___

Sample Number CO408 ORIGINAL

	A. SURROGAT	E SPIKE RESULTS		(Red)
COMPOUND	Fraction	Conc.(ug/l)	(Surroga Spike Added (ug/1)	tes only) % Recovery
Benzene - d6	VOA	. 59	50	118
1-Chloro-2-Bromopropane	VOA	55	50	110
Toluene - d8	VOA	57	50	114
2-Fluorophenol	ACID	8 .	142	6
Phenol - d5	ACID	2	103	2
Nitrobenzene - d5	B/N	65	98	66
2-Fluorobiphenyl	B/N	88	100	88
Naphthalene-D8	B/N	64	102	63

B. TENTATIVELY IDENTIFIED COMPOUNDS					
				% Maximum Score Attained	
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT	
				(specify)	
1.		UNKNOWN	VOA #187	NO GOOD FIT	
2.		UNKNOWN	ACID #60	NO GOOD FIT	
3.	·	UNKNOWN	ACID #73	NO GOOD FIT	
4.		UNKNOWN	ACID #87	NO GOOD FIT	
5.		UNKNOWN	ACID #107	NO GOOD FIT	
6.		UNKNOWN	ACID #133	NO GOOD FIT ▼ ***	
7.		UNKNOWN	ACID #144	NO GOOD FIT	
8.	······································	UNKNOWN	ACID #159	NO GOOD FIT	
9.		UNKNOWN	ACID #165	NO GOOD FIT	
10.	<u> </u>	UNKNOWN	ACID #170	' NO GOOD FIT	
11.		UNKNOWN	ACID #190	NO GOOD FIT	
12.		3,3,3-TRICHLORO-1-PRO-			
13.		PENE	B/N #44	866	
14.	· · · · - · · · ·	UNKNOWN	B/N #273	NO GOOD FIT	
15.	·	·			
16.					
17.					
18.					
19.					
20.					

A Trice	WEST COAST TECHNICAL	.SERVIC	E INC.	INDUSTRIALCA	ATEGORY_	·
SAM	PLE 1D		SAMP	LE ID	C0409	•
-LÀB			LAB		20844B2	
DAT	E EXTRACTED 2/7/81	•	DATE	EXTRACTED	2/16/81	· · · · · · · · · · · · · · · · · · ·
DAT	E INJECTED 2/22/81				2/26/81	
STD	ID DFTPP1263 PHEN310			ID DFTPP103		
	C FACTOR 1000					IGINAL
						(Red)
Acid	Compounds	ıg/l	Base/	Neutral Compour	<u>ids</u>	ug/l
21A	2,4,6-trichlorophenol	ND_	41B	4-bromophenyl	phenyl eth	er ND
22A	p-chloro-m-cresol	ND_	42B	bis(2-chloroiso	propyl) eth	ner ND
24A	2-chlorophenol	ND	43B	bis (2-chloroet	hoxy) meth	ane ND
31A	2,4-dichlorophenol	*	52B	hexachlorobuta	diene	ND
34A	2,4-dimethylphenol	ND	53B	hexachlorocycl	opentadiene	e ND
57A	2-nitrophenol	ND_	54B	isophorone		ND
58A	4-nitrophenol	ND	55B	naphthalene	1	ND.
59A	2,4-dinitrophenol	ND	56B	nitrobenzene		ND
60A	4,6-dinitro-o-cresol	ND_	61B	N-nitrosodimeth	nylamine	ND
64A	pentachlorophenol	ND	62B	N-nitrosodipher	nylamine	ND
65A	phenol	ND	63B	N-nitrosodi-n-p	ropylamine	ND ND
	•		66B	bis (2-ethylher	kyl) phthal	ate 4247
Base	2/Neutral Compounds		67B	butyl benzyl p	hthalate	ND
			68B	di-n-butyl pht	halate	*
1B	acenaphthene	ND.	69B	di-n-octyl phth	nalate	*
<u>5B</u>	benzidine	ND	70B	diethyl phthala	ate	ND
8B	1,2,4-trichlorobenzene	ND	<u>71B</u>	dimethyl phtha	late	ND
9B	hexachlorobenzene	ND	72B	benzo(a) anthr	acene	ND ND
12B	hexachloroethane	ND	73B	benzo(a)pyrene	}	ND
18B	bis(2-chloroethyl)ether	35	74B	3,4-benzofluora	nthene	ND
20B	2-chloronapthalene	ND_	75B	benzo(k)fluora	nthene	ND
25B	1,2-dichlorobenzene	ND	76B	chrysene		ND
26B	1,3-dichlorobenzene	ND	77B	acenaphthylene	<u> </u>	ND_
27B	1,4-dichlorobenzene	ND	78B	anthracene		ND_
28B	3,3'-dichlorobenzidine	ND	79B	benzo(ghi)pery	lene	ND_
35B	2,4-dinitrotoluene	ND	80B	fluorene	·	ND_
36B	2,6-dinitrotoluene	ND_	81B	phenanthrene		ND
37B	1,2-diphenylhydrazine		82B	dibenzo(a,h)an	thracene	ND
	(as azobenzene)	_ND	83B	indeno(1,2,3-cc	l)pyrene	ND
39B	fluoranthene	_ND	84B	pyrene		ND
40B	4-chlorophenyl phenyl ether	ND_	129B	2,3,7,8-tetrachl	orodibenzo-	=
	•		p-dio	xin .		ND

West			. Jekvic			IC CALEGOR		
	LE ID				LE ID	C0409		
L _k B	 	20844V2		LAB I		20844	TRACE	_#221]
	INJECTED		· · · · · · · · · · · · · · · · · · ·		EXTRACTED_	2/6/81		
	ID <u>DFTPP1251</u>	VOA115			INJECTED	2/9/81		<u> </u>
CONC	. FACTOR				D ·	TRACE	#2213	· · · · · · · · · · · · · · · · · · ·
				CONC.	FACTOR	100		
	••		42			<u>}</u> , 0	RIGINA	
Volat		·	ug/l	Pestic			(Red)	ug/l
<u>2V</u>	acrolein	·	<u>ND</u>	89P	aldrin			ND_
<u>3V</u>	acrylonitrile		<u>ND</u>	90P	dieldrin			ND
<u>4V</u>	benzene		ND	<u>91P</u>	chlordane			ND
<u>6V</u>	carbon tetrach	loride	<u>ND</u>		4,4'-DDT			ND
<u>7V</u>	chlorobenzene	····	<u>ND</u>	93P	4,4'-DDE			ND
<u>10V</u>	1,2-dichloroeth	ane	ND	94P	4,4'-DDD			ND
<u>11V</u>	1,1,1-trichloroe	thane	*	95P	alpha-endo			ND
13V	1,1-dichloroeth	ane	<u>ND</u>	96P	beta-endos	ulfan		ND
14V	1,1,2-trichloroe	thane	ND_	97P	endosulfan	sulfate		ND
15V	1,1,2,2-tetrach	loroethane	ND .	98P	endrin			ND
16V	chloroethane		<u>ND</u>	99P	endrin ald	ehyde `		ND
<u>XXXXX</u>	<u>Ka kad kadaadex by</u>	<u>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</u>	XXXXX	100P	heptachlor			ND
19V	2-chloroethylvii	nyl ether	ND	101P	heptachlor	epoxide		ND_
23V	chloroform		<u>ND</u>	102P	alpha-BHC		 	ND
29V	1,1-dichloroeth	ylene	ND.	103P	beta-BHC			ND
30V	1,2-trans-dichle	oroethylene	ND	104P	gamma-BHC		•	ND
32V	1,2-dichloropro	pane	<u>ND</u>	105P	delta-BHC	 		ND
33V	1,3-dichloropro	pylene	ND	106P	PCB-1242	```	No. 15	ND
38V	ethylbenzene		ND	107P	PCB-1254	····		ND
44V	methylene chlor	ride	36	108P	PCB-1221	·		ND.
45V	methyl chloride	<u> </u>	ND	109P	PCB-1232			ND
46V	methyl bromide		ND	110P	PCB-1248		·	ND
47V	bromoform		ND	111P	PCB-1260		 	ND
48V	dichlorobromome	ethane	ND	112P	PCB-1016			ND
49V	trichlorofluorom	nethane	ND	113P	toxaphene			ND.
<u>50V</u>	dichlorodifluoro	omethane	ND			• •		_
<u>51V</u>	chlorodibromome	ethane	ND	* = L	ess than 10	ug/l		
85V	tetrachloroethyl	lene	ND	(pe	sticides less	than 5 ug/1	1)	
86V	toluene		ND	ND =	Not detected		•	
87V	trichloroethylen	ne	ND	** =	Not confirme	d by GCMS		
88V	vinyl chloride		ND					

ORGANICS ANALYSIS DATA SHEET - Page 3____

QC Report No: 26

Sample Number C0409

A. SURROGATE SPIKE RESULTS					
COMPOUND	Fraction	Conc.(ug/l)	(Surroga Spike Added (ug/1)	tes only) % Recovery	
Benzene - d6	VOA	57	50	114	
1-Chloro-2-Bromopropane	VOA	53	50	106	
Toluene - d8	VOA	54	50	108	
2-Fluorophenol	ACID	25	142	18	
Phenol - d5	ACID	ND .	103	ORIGINAL	
Nitrobenzene - d5	B/N	64	98	65Red)	
2-Fluorobiphenyl	B/N	84	100	89	
Naphthalene-D8	B/N	74	102	73	

		B. TENTATIVEL	Y IDENIIFI	EU COMPOUNUS
				% Maximum Score Attained
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)
1.		UNKNOWN	VOA#43	NO GOOD FIT
2.	· · · · · · · · · · · · · · · · · · ·	METHYLCYCLOPENTANE	VOA#185	. 837
3.	-	1,1'-OXYBIS-2-CHLORO-		
4.		ETHANE	VOA#383	917
5.	,	UNKNOWN	ACID#61	NO GOOD FIT
6.		UNKNOWN	ACID#107	NO GOOD FIT
7.	•	UNKNOWN	ACID#159	NO GOOD FIT
8.		UNKNOWN	ACID#190	NO GOOD FIT
9.		UNKNOWN	ACID#213	NO GOOD FIT
10.		DI-N-BUTYL PHTHALATE	ACID#253	· 917
11.		BIS(2-ETHYLHEXYL)-		
12.	•	PHTHALATE	ACID#445	CONFIRMED
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				

SAMPI	E ID10		SAMPLE		C0410	
LAB 1	D 20844	A3			2084483	· · · · · · · · · · · · · · · · · · ·
	EXTRACTED 2/7/8	1	DATE E	XTRACTED	2/6/81	
DATE	INJECTED 2/23/	81		NJECTED		
		PHEN311	-	DFTPP103		
	FACTOR 1000		CONC F	ACTOR	1000	
		,			ORIGINAL	45
Acid	Compounds	ug/l		eutral Compo		<u>ug/l</u>
21A	2,4,6-trichlorophenol	ND_	41B		l phenyl ether	
22A	p-chloro-m-cresol	ND	. <u>42B</u>		sopropyl) ether	
24A	2-chlorophenol	ND_	43B		oethoxy) methar	
31A	2,4-dichlorophenol	ND_	<u>52B</u>	hexachlorobu		ND
34A	2,4-dimethylphenol	ND_	53B	hexachlorocy	clopentadiene	<u>ND</u>
57A	2-nitrophenol	ND_	54B	isophorone		ND
58A	4-nitrophenol	ND_	<u>55B</u>	naphthalene	<u> </u>	ND
59A	2,4-dinitrophenol	ND	<u>56B</u>	nitrobenzene		ND
60A	4,6-dinitro-o-cresol	ND	61B	N-nitrosodim	·	ND
64A	pentachlorophenol	ND	62B	N-nitrosodip	henylamine .	ND_
65A	phenol	ND_	63B		n-propylamine	ND
			66B		hexyl) phthala	
Base	/Neutral Compounds		67B	butyl benzy		<u>ND</u>
		•	68B	di-n-butyl J	•	*
1B	acenaphthene	ND	69B	di-n-octyl p	hthalate	ND_
5B	benzidine	ND	70B	diethyl phth	nalate	ND
8B	1,2,4-trichlorobenze	ne ND	71B	dimethyl ph	thalate	ND
9B	hexachlorobenzene	ND	72B	benzo(a) an	thracene	ND_
12B	hexachloroethane	ND	73B	benzo(a)pyr	ene	<u>ND</u>
18B	bis(2-chloroethyl)et	her ND	74B	3,4-benzoflu	oranthene	ND
20B	2-chloronapthalene	ND	75B	benzo(k)flu	oranthene	<u>ND</u>
25B	1,2-dichlorobenzene	ND	76B	chrysene		ND
26B			77B	acenaphthyl	lene	ND
27B			78B	anthracene		ND
28B			79B	benzo(ghi)p	erylene	ND_
35B		ND	80B	fluorene		ND.
36B		ND	81B	phenanthre		ND
37B		ine	82B		n)anthracene	ND
J , -	(as azobenzene)	ND_	83B	indeno(1,2,	3-cd)pyrene	ND.
39B		. ND	84B	pyrene		ND
40B		nyl ether ND	129B	2,3,7,8-tetr	achlorodibenzo-	
			p-dic	oxin	· ·	Nn

·SAMPLE ID	0410
LAB_ID	20844V3
DATE INJECTED	2/9/81
STD ID DFTPP1251	V0A115
CONC. FACTOR	·

V-1-	N:1	
Vola		ug/l
2V	acrolein	<u>ND</u>
<u>3V</u>	acrylonitrile	<u>ND</u>
<u>4V</u>	benzene	ND
<u>6V</u>	carbon tetrachloride	ND
<u>7V</u>	chlorobenzene	<u>ND</u>
10V	1,2-dichloroethane	ND
<u>11V</u>	1,1,1-trichloroethane	*
13V	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND.
15V	1,1,2,2-tetrachloroethane	ND
<u> 16V</u>	chloroethane	<u>ND</u>
XXX X	KXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX
19V	2-chloroethylvinyl ether	ND
23V	chloroform	*
29V	1,1-dichloroethylene	ND
30V	1,2-trans-dichloroethylene	ND
32V	1,2-dichloropropane	ND.
<u>33V</u>	1,3-dichloropropylene	ND
38V	ethylbenzene	ND
44V	methylene chloride	38
45V	methyl chloride	ND.
46V	methyl bromide	ND
47V	bromoform	ND
48V	dichlorobromomethane	ND
49V	trichlorofluoromethane	ND
50V	dichlorodifluoromethane	ND
51V	chlorodibromomethane	ND
85V	tetrachloroethylene	ND
86V	toluene	ND
87V	trichloroethylene	ND
88V	vinyl chloride	ND

SAMPLE II	C0410
LAB ID	20844 TRACE #2215
DATE EXTRACTED	2/6/81
DATE INJECTED	2/9/81
STD ID	TRACE #2213
CONC. FACTOR	100

	:	Ė	ORIGINAL	
Pestic	ides	τ	(Red)	ug/l
89P	aldrin		 	
90P	dieldrin			ND
<u>91P</u>	chlordane	<u> </u>		ND
<u>9</u> 2P	4,4'-DDT		<u> </u>	ND
93P	4,4'-DDE			ND
94P	4,4'-DDD			ND
95P	alpha-endo	sulfan		2.0*
96P	beta-endosi	ulfan		ND
.97P	endosulfan	sulfate	·	ND
98P	endrin	·		ND
99P	endrin ald	ehyde		ND
100P	heptachlor	·		ND
101P	heptachlor	epoxide		ND
102P	alpha-BHC			ND
103P	beta-BHC	·		ND
104P	gamma-BHC	 		ND
105P	delta-BHC			ND
106P	PCB-1242			_ND_
107P	PCB-1254		·;	ND
108P	PCB-1221			ND_
109P	PCB-1232			ND
110P	PCB-1248			ND_
111P	PCB-1260			ND
112P	PCB-1016			ND
113P	toxaphene		·	ND

^{* =} Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

UKGANICS ANALISIS DATA SHEET - Page 5

Sample Number CO410

QC Report No: 26

	A. SURROGATI	E SPIKE RESULTS		
COMPOUND	Fraction	Conc.(ug/1)	(Surroga Spike Added (ug/1)	tes only) % Recovery
Benzene - d6	VOA	51	50	102
1-Chloro-2-Bromopropane	VOA	47	50	94
Toluene - d8	VOA	51	50	102
2-Fluorophenol	ACID	3	142	2
Phenol - d5	ACID	0	103	0
Nitrobenzene - d5	B/N	53	98	54
2-Fluorobiphenyl	B/N	67	100	67
Nanhthalene-D8	to /NT	61	102	60

		D. ILMINITYEE		
	CAS #	COMPOUND NAME	FRACTION	% Maximum Score Attained Mass Matching Routine: FIT (specify)
1.	·	TETRAHYDROFURAN	VOA#116	.998
2.		1,1,2,2-TETRACHLORO-		ORIGINAL
3.		ETHANE	ACID#59	995 (Red)
4.		1,2,3-TRICHLOROPROPANE	ACID#51	961
5.		UNKNOWN	B/N#275	NO GOOD FIT
6.		UNKNOWN	B/N#370	NO GOOD FIT
7.				
8.				
9.				
10.				
11.				
12.				
13.			<u></u>	
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16.				
17.			<u> </u>	
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****		WEST COAST TO	CHNICAL SERVI	CE INC.	INDUSTRIAL	CATEGORY	
. 3	SAMP	LE IDCO	411	·SAMPI	LE ID	C0411	
	LAB		844A4	LABI		20844B5	
	DATE		7/81	DATE	EXTRACTED_	2/6/81	
	DATE		23/81		INJECTED		
	STD		EN311	STD I	D DFTPP		
		FACTOR 80		CONC	FACTOR	800	
			· · · · · · · · · · · · · · · · · · ·			1	INAL
	Acid	Compounds	ug/l	Base/	Neutral Compo	ounds (R	ed)
	21A	2,4,6-trichloropher		41B		yl phenyl ether	ND
	22A	p-chloro-m-cresol	ND	42B		sopropyl) ether	ND
	24A	2-chlorophenol	ND	43B	bis (2-chlore	oethoxy) methan	e ND
	31A	2,4-dichlorophenol	NDND	52B	hexachlorobu	itadiene	ND
	34A	2,4-dimethylphenol	ND	53B	hexachlorocy	clopentadiene	ND
)	<u>57A</u>	2-nitrophenol	ND	54B	isophorone		ND
,	<u>58A</u>	4-nitrophenol	ND	55B	naphthalene		ND
	59A	2,4-dinitrophenol	ND	56B	nitrobenzene		ND
	60A	4,6-dinitro-o-creso	1 ND	61B	N-nitrosodime	ethylamine	ND
	64A	pentachlorophenol	<u>ND</u> .	62B	N-nitrosodipl	nenylamine	ND
	65A	phenol	ND	63B	N-nitrosodi-r	n-propylamine	ND
				66B	bis (2-ethyll	nexyl) phthalate	ND
•	Base	Neutral Compounds		67B	butyl benzyl	phthalate	ND
				68B	di-n-butyl p	hthalate	*
	1B	acenaphthene	ND_	69B	di-n-octyl pl	nthalate	_ND_
	5B	benzidine	ND	70B	diethyl phth	alate	ND
•	8B	1,2,4-trichlorobenz	ene ND	71B	dimethyl pht	·	ND
	9B	hexachlorobenzene	ND	72B	benzo(a) ant	hracene	ND.
	12B	hexachloroethane	ND	73B	benzo(a)pyre	ne	ND.
	18B	bis(2-chloroethyl)e	ther ND	74B	3,4-benzofluc	ranthene	ND.
	20B	2-chloronapthalene	ND	7 5B	benzo(k)fluoi	ranthene	ND.
	25B	1,2-dichlorobenzen	e ND	76B	chrysene		ND
	26B	1,3-dichlorobenzen	e ND	77B_	acenaphthyle	ne	ND
	27B	1,4-dichlorobenzen	e <u>ND</u>	78B	anthracene		ND
	28B	3,3'-dichlorobenzio	line ND	<u>79B</u>	benzo(ghi)pe	rylene	ND_
	35B	2,4-dinitrotoluene	ND	80B_	fluorene		ND_
	36B	2,6-dinitrotoluene	ND	81B	phenanthrene		ND
	37B	1,2-diphenylhydraz	ine	82B	dibenzo(a,h)	anthracene	ND
•		(as azobenzene)	ND_	83B	indeno(1,2,3-	-cd)pyrene	ND
	39B	fluoranthene	NDND	84B	pyrene		ND
	40B	4-chlorophenyl phe	nyl ether ND	129B	2,3,7,8-tetrac	hlorodibenzo-	
		. •		p-dio	xin		Nn

	113	WEST COAST TECHNICAC	SERVIC	E INC.	INDUSTRIA	LCATEGO	URT	
SAN	йPI	LE ID CO411		SAMPL	E ID	c04	11	
LA	в 1	ID 20844V4		LAB II)	208	44 TRACE #	2217
		INJECTED 2/9/81		DATE	EXTRACTED_	2/6	/81	
STI) I	D DFTPP1252 VOA115		DATE	INJECTED	2/9	/81	
		FACTOR		STD II) <u> </u>	TRA	CE #2218	
				CONC.	FACTOR	50		
		•						
Vol	at	iles	ug/l	Pestic	ides			ug/l
27		acrolein	ND	89P	aldrin		·	<u> nn</u>
3V		acrylonitrile	ND	90P	dieldrin			ND
4V		benzene	ND.	91P	chlordane			ND
6V		carbon tetrachloride	ND	92P	4,4'-DDT			ND
7V		chlorobenzene	ND	93P	4,4'-DDE	1.5	ORIGINAL	ND
10	٧	1,2-dichloroethane	ND	94P	4,4'-DDD	P: '	(Red)	ND
11	V	1,1,1-trichloroethane	*	.95P	alpha-endo	sulfan		2.4**
13	V	1,1-dichloroethane	ND	96P	beta-endos	ulfan		ND
14	v	1,1,2-trichloroethane	ND	97P	endosulfan	sulfate		ND
15	v	1,1,2,2-tetrachloroethane	ND.	98P	endrin			ND
16	V	chloroethane	ND.	99P	endrin ald	ehyde		ND
22	XXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX_	100P	heptachlor	•		ND
19		2-chloroethylvinyl ether	ND	101P	heptachlor	epoxide	· 	ND
23	v	chloroform	ND.	102P	alpha-BHC			ND
29	v	1,1-dichloroethylene	ND_	103P	beta-BHC			ND_
30	V	1,2-trans-dichloroethylene	ND	104P	gamma-BHC		<u></u>	ND
32		1,2-dichloropropane	ND	105P	delta-BHC			ND_
33	v	1,3-dichloropropylene	ND	106P	PCB-1242		×	ND_
38		ethylbenzene	ND	107P	PCB-1254			ND_
44	v	methylene chloride	37	108P	PCB-1221			ND_
45	٧	methyl chloride	ND	109P	PCB-1232			ND
46	٧	methyl bromide	ND	110P	PCB-1248			ND_
47		bromoform	ND	111P	PCB-1260			<u>ND</u>
48	V	dichlorobromomethane	ND	112P	PCB-1016			ND
49	V	trichlorofluoromethane	ND	113P	toxaphene			ND_
50		dichlorodifluoromethane	ND					
			ND		ib 10	/1		

ND

ND

ND

ND

ND

51V

85V

86V

87V

88V

chlorodibromomethane

tetrachloroethylene

trichloroethylene

vinyl chloride

toluene

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

QC Report No: 27

Sample Number CO411

A. SURROGATE SPIKE RESULTS					
COMPOUND	Fraction	Conc.(ug/l)	(Surrogates only Spike % Added (ug/l) Recover		
Benzene - d6	VOA	48	50	96	
1-Chloro-2-Bromopropane	VOA	45	50	90	
Toluene - d8	VOA	47	50	94	
2-Fluorophenol	ACID	84	142	59	
Phenol - d5	ACID	46	103	45	
Nitrobenzene - d5	B/N	72	98	73	
2-Fluorobiphenyl	B/N_	88	100	88	
Naphthalene-D8	B/N	76	102	75	

		B. TENTATIVEL	I IDENTIFI	ED COM COMOS
	CAS #	COMPOUND NAME	FRACTION	% Maximum Score Attained Mass Matching Routine: FIT (specify)
1.		UNKNOWN	VOA#46	NO GOOD FIT
2.		UNKNOWN	V0A#185	NO GOOD FIT ORIGINAL
3.		3,3,3-TRICHLORO-1-		(Red)
4.		PROPENE	ACID#44	956
5.		1,2,3-TRICHLOROPROPANE	ACID#54	944
6.		1,1,2,2-TETRACHLORO-		· W - **
7.		ETHANE	ACID#63	996
8.		UNKNOWN	ACID#193	NO GOOD FIT
9.		UNKNOWN	B/N#40	NO GOOD FIT
10.		UNKNOWN	B/N#274	NO GOOD FIT
11.				
12.			<u> </u>	
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Wat	WEST COAST TECHNICAL	.SERVIC	E INC.	INDUSTRIAL CATEGORY	
SAMP	LE ID		SAMP	LE ID C0412	
	ID20844A7	,	_	ID 20844B 7	
	EXTRACTED2/7/81			EXTRACTED 2/6/81	
	INJECTED 2/23/81			INJECTED 2/26/81	
	ID DFTPP1264 PHEN311			D DFTPP103 BNSTD053	
	FACTOR 1000			FACTOR 1000	
Acid	Compounds	1g/l	Base/	Neutral Compounds us	g/l
21A		ND	41B	4-bromophenyl phenyl ether	ND
22A	p-chloro-m-cresol	ND	42B	bis(2-chloroisopropyl) ether	ND
24A	2-chlorophenol	ND_	43B	bis (2-chloroethoxy) methane	ND
31A ·	2,4-dichlorophenol	ND	52B	hexachlorobutadiene	ND
34A_	2,4-dimethylphenol	ND	53B	hexachlorocyclopentadiene	ND
57A	2-nitrophenol	_ND	54B	isophorone	ND
58A	4-nitrophenol	ND	<u>55B</u>	naphthalene ORIGINAL	ND
59A	2,4-dinitrophenol	ND	56B	nitrobenzene (Red)	ND .
60A	4,6-dinitro-o-cresol	ND_	61B	N-nitrosodimethylamine	ND
64A	pentachlorophenol	ND ·	62B	N-nitrosodiphenylamine	ND
65A	phenol	14	63B	N-nitrosodi-n-propylamine	ND
		•	66B	bis (2-ethylhexyl) phthalate	ND
Base	Neutral Compounds	. •	67B	butyl benzyl phthalate	ND
			68B	di-n-butyl phthalate	*
1B	acenaphthene	ND	69B	di-n-octyl phthalate	ND
5B.	benzidine	ND	70B	diethyl phthalate	ND
8B	1,2,4-trichlorobenzene	ND	71B	dimethyl phthalate	ND
9B	hexachlorobenzene	ND	72B	benzo(a) anthracene	ND .
12B	hexachloroethane	ND	73B	benzo(a)pyrene	ND
18B	bis(2-chloroethyl)ether	ND	74B	3,4-benzofluoranthene	ND
20B	2-chloronapthalene	ND .	<u>75B</u>	benzo(k)fluoranthene	ND
25B	1,2-dichlorobenzene	ND	76B	chrysene	ND
26B	1,3-dichlorobenzene	ND	77B	acenaphthylene	ND
27B	1,4-dichlorobenzene	ND	78B	anthracene	ND
28B	3,3'-dichlorobenzidine	ND	79B	benzo(ghi)perylene	ND
35B	2,4-dinitrotoluene	ND	80B	fluorene	ND.
36B	2,6-dinitrotoluene	ND	81B	phenanthrene	ND_
37B	1,2-diphenylhydrazine		82B	dibenzo(a,h)anthracene	ND
	(as azobenzene)	ND_	83B	indeno(1,2,3-cd)pyrene	ND_
39B	fluoranthene	_ND	84B	pyrene	ND
40B	4-chlorophenyl phenyl ether	: ND	129B	2,3,7,8-tetrachlorodibenzo-	
	·		p-dio	xin	ND.
				·	

SAM	PLE ID		SAMPLE II CO412	
LAB	ID20844V5		LAB ID 20844 TRACE	#2223
DAT	E INJECTED 2/9/81		DATE EXTRACTED 2/6/81	
STD	ID DFTPP1251 VOA115		DATE INJECTED 2/10/81	
CON	C. FACTOR		STD ID TRACE #2222	
			CONC. FACTOR 50	
Vola	tiles	ug/l	Pesticides	ug/l
<u>2V</u>	acrolein	ND	89P aldrin	ND
<u>3V</u>	acrylonitrile	ND	90P dieldrin	ND
<u>4V</u>	bėnzene	ND.	91P chlordane	ND
6V	carbon tetrachloride	ND	92P 4,4'-DDT	ND
<u>7V</u>	chlorobenzene	ND_	93P 4,4'-DDE	ND
10V	1,2-dichloroethane	ND	94P 4,4'-DDD	ND
11V	1,1,1-trichloroethane	*	95P alpha-endosulfan ORIGINAL	0.3
13V	1,1-dichloroethane	ND_	96P beta-endosulfan (Red)	ND
14V	1,1,2-trichloroethane	ND.	97P endosulfan sulfate	ND
15V	1,1,2,2-tetrachloroethane	ND.	98P endrin	ND
16V	chloroethane .	ND	99P endrin aldehyde	ND
XXXX	X X X X XXEYKEK X KKKKK K XXXXXXXXXXXXXX	XXXXX	100P heptachlor	ND
19V	2-chloroethylvinyl ether	<u>ND</u>	101P heptachlor epoxide	ND
23V	chloroform	ND	102P alpha-BHC	ND
29V	1,1-dichloroethylene	ND.	103P beta-BHC	ND
30V	1,2-trans-dichloroethylene	ND_	104P gamma-BHC	ND
32V	1,2-dichloropropane	*	105P delta-BHC	ND
33V	1,3-dichloropropylene	ND	106P PCB-1242	ND ·
<u>38V</u>	ethylbenzene	ND	107P PCB-1254	ND
<u>44V</u>	methylene chloride	38	108P PCB-1221	ND
45V	methyl chloride	ND.	109P PCB-1232	ND
46V	methyl bromide	ND	110P PCB-1248	ND
47V	bromoform	ND	111P PCB-1260	ND
48V	dichlorobromomethane	ND	112P PCB-1016	ND
49V	trichlorofluoromethane	ND .	113P toxaphene	ND_
<u>50V</u>	dichlorodifluoromethane	31		
<u>51V</u>	chlorodibromomethane	ND	* = Less than 10 ug/l	
<u>85V</u>	tetrachloroethylene	ND	(pesticides less than 5 ug/l)	
86V	toluene	*.	ND = Not detected	
87V	trichloroethylene	ND	** = Not confirmed by GCMS	
88V	vinyl chloride	ND		

(2) LECHNICAL SERVICE INC. INDUSTRIAL CATEGORY

QC Report No: 27

Sample Number CO412

A. SURROGATE SPIKE RESULTS						
COMPOUND	Fraction	Conc.(ug/1)	(Surroga Spike Added (ug/1)	tes only) % Recovery		
Benzene - d6	VOA	48	50	96		
1-Chloro-2-Bromopropane	VOA	46	50	92		
Toluene - d8 .	VOA	47	50	94		
2-Fluorophenol	ACID	58	142	41		
Phenol - d5	ACID	28	103	27		
Nitrobenzene - d5	B/N	72	98	73		
2-Fluorobiphenyl	B/N	83	100	CRIGINAL		
Naphthalene-D8	B/N	74	102	73(Red)		

B. TENTATIVELY IDENTIFIED COMPOUNDS					
				% Maximum Score Attained	
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)	
1.		· · UNKNOWN	VOA# 45	NO GOOD FIT	
2.	•	2-METHYLPROPANE	OA# 61	917	
3.		METHYLCYCLOPENTANE	VOA#186	907	
4.		1,1,2,2-TETRACHLORO-			
5.		ETHANE	ACID#58	1000	
6.		2-METHYLPROPANOIC ACID	ACID#79	958	
7.		UNKNOWN	ACID#98	NO GOOD FIT	
8.		UNKNOWN	ACID#119	NO GOOD FIT	
9.		BENZOIC ACID	ACID#226	920	
10.		BENZENE ACETIC ACID	ACID#251	971	
11.		BENZENE PROPANOIC ACID	AC ID#263	992	
12.		UNKNOWN	ACID#298	NO GOOD FIT	
13.				·	
14.					
15.					
16.					
17.					
18.					
19.					
20.		•			

	WEST COAST	TECHNICA	LSERVIC	E INC.	INDUSTRIAL C	ATEGORY	
·SAMP	LE ID	Č0413		SAMPI	E ID	C0413	
LAB	- · 	20844A8		LAB I			
DATE	EXTRACTED	2/7/81		DATE	EXTRACTED		
DATE	INJECTED	2/23/81	<u>.</u>		INJECTED_		
STD	ID DFTPP1264	PHEN312			D DFTPP10:		
CONC	FACTOR	1000			FACTOR		
		-			-		
Acid	Compounds		ug/l	Base/	Neutral Compour	nds <u>u</u>	g/1
21A	2,4,6-trichlorop	henol	ND_	41B	4-bromophenyl	phenyl ether	ND
22A	p-chloro-m-creso	ol	ND .	42B	bis(2-chloroise	propyl) ether	ND
24A	2-chlorophenol		ND	43B	bis (2-chloroe	thoxy) methane	ND
31A	2,4-dichloropher	nol	ND_	52B	hexachlorobuta	adiene	ND
34A	2,4-dimethylphe	nol	ND	53B	hexachlorocycl	opentadiene	ND
57A	2-nitrophenol		ND	54B	isophorone		ND
58A	4-nitrophenol		ND	55B	naphthalene	ORIGINAL	ND
59A	2,4-dinitropheno	ol	ND	56B	nitrobenzene	W.1.	ND
60A	4,6-dinitro-o-cr	esol	ND	61B	N-nitrosodimet	hylamine	ND
64A	pentachlorophen	ol ·	ND	62B	N-nitrosodiphe	nylamine	ND
65A	phenol	,	ND	63B	N-nitrosodi-n-	propylamine	ND
				66B	bis (2-ethylhe	xyl) phthalate	ND
Base	Neutral Compour	<u>ids</u>		67B	butyl benzyl j	phthalate	ND
				68B	di-n-butyl pht	halate	*
1B	acenaphthene		ND_	69B	di-n-octyl pht	halate	ND
5B	benzidine		ND_	70B	diethyl phthal	ate	ND
8B	1,2,4-trichlorob	enzene	ND	<u>71B</u>	dimethyl phtha	alate	ND
<u>9B</u>	hexachlorobenze	ne	ND_	72B	benzo(a) anth	racene 🤏 🐣	ND ·
12B	hexachloroethan	e	ND_	73B	benzo(a)pyrene	e	ND_
18B	bis(2-chloroethy	l)ether	ND_	74B	3,4-benzofluor	anthene	ND
20B	2-chloronapthale	ene	ND	75B	benzo(k)fluora	nthene	ND
25B	1,2-dichlorobenz	zene	ND	76B	chrysene		ND
26B	1,3-dichlorobenz	zene	ND_	77B	acenaphthylene	e	ND
27B	1,4-dichlorobenz	ene	ND_	78B	anthracene		ND_
28B	3,3'-dichloroben	zidine	ND	79B	benzo(ghi)pery	vlene	_ND_
35B	2,4-dinitrotolue	ne	ND	80B	fluorene		ND_
36B	2,6-dinitrotoluer	ne	ND	81B	phenanthrene		_ND_
37B	1,2-diphenylhyd	razine		82B	dibenzo(a,h)ar	nthracene	_ND_
	(as azobenzene))	ND_	83B	indeno(1,2,3-c	d)pyrene	ND_
39B	fluoranthene		ND_	84B	pyrene	·	ND
<u>40B</u>	4-chlorophenyl	phenyl ethe	r ND	129B	2,3,7,8-tetrach	lorodibenzo-	
				p-dio	xin		ND

SAMPLE	IDC0413	·	SAMPL	E ID	CO413	
	20844V8			D	20844	TRACE #222
	JECTED 2/9/81		DATE	EXTRACTED	2/6/81	yi
STD ID_	DFTPP1251 VOA115		DATE	INJECTED	2/10/81	
CONC. F	ACTOR		STD II	D	TRACE #2	2228
			CONC.	FACTOR	100	
Volatile	<u>s</u>	ug/l	Pestic	ides		ug/l
2V ac	rolein	ND	89P	aldrin		ND
3V ac	rylonitrile	ND	90P	dieldrin		ND
4V be	enzene	ND.	91P	chlordane		ND
6V ca	irbon tetrachloride	ND	92P	4,4'-DDT		ND_
7V ch	nlorobenzene	ND	93P	4,4'-DDE k	ORIGINAL	• ND
10V 1,	2-dichloroethane	ND	94P	4,4'-DDD	(Red)	ND
11V 1,	1,1-trichloroethane	*	95P	alpha-endosu	lfan	ND
13V 1,	1-dichloroethane	ND	96P	beta-endosulf	an	ND
14V 1,	1,2-trichloroethane	ND.	97P	endosulfan sı	lfate	ND
15V 1,	1,2,2-tetrachloroethane	ND.	98P	endrin		ND
16V ch	loroethane	ND	99P	endrin aldeh	/de	ND:
XXXXXXX	CAKAN KAKANEN NEWY KANDEN K	XXXXXX	100P	heptachlor	•	· ND
19V 2-	chloroethylvinyl ether	ND	101P	heptachlor ep	oxide	· ND
23V ch	loroform	ND	102P	alpha-BHC	·	ND
29V 1,	1-dichloroethylene	ND.	103P	beta-BHC		ND
30V 1,	2-trans-dichloroethylene	ND.	104P	gamma-BHC		ND
	2-dichloropropane	ND	105P	delta-BHC		ND
33V 1,	3-dichloropropylene	ND	106P	PCB-1242		ND ND
	hylbenzene	ND	107P	PCB-1254		ND
44V me	ethylene chloride	36	108P	PCB-1221		ND_
45V me	ethyl chloride	ND	109P	PCB-1232		ND
46V me	ethyl bromide	ND .	110P	PCB-1248		ND
47V br	comoform	ND	111P	PCB-1260		ND
48V di	chlorobromomethane	ND	112P	PCB-1016		ND
49V tr	ichlorofluoromethane	ND	113P	toxaphene		ND
50V di	chlorodifluoromethane	ND				
51V ch	lorodibromomethane	ND	* = L	ess than 10 ug	/1	
85V te	trachloroethylene	ND	(pe	sticides less th	an 5 ug/l)
86V to	luene	ND	ND =	Not detected		
87V tr	ichloroethylene	ND	** =	Not confirmed	by GCMS	
88V vi	nyl chloride	ND	•			

QC	Report	No:	27	

Sample Number CO413

A. SURROGATE SPIKE RESULTS							
COMPOUND	Fraction	Conc.(ug/l)	(Surroga Spike Added (ug/1)	tes only) % Recovery			
Benzene - d6	VOA	53	50	106			
1-Chloro-2-Bromopropane	VOA	48	50	96			
Toluene - d8	VOA	50	50	100			
2-Fluorophenol	ACID	5	142	4			
Phenol - d5	ACID	4	103	4			
Nitrobenzene - d5	B/N	79	98	81			
2-Fluorobiphenyl	B/N	87	100	87			
Naphthalene-D8	B/N	88	102	86			

	B. TENTATIVELY IDENTIFIED COMPOUNDS							
				% Maximum Score Attained				
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT				
				(specify)				
1.		UNKNOWN	VOA#45	NO GOOD FIT				
2.		UNKNOWN	VOA#187	NO GOOD FIT ORIGINAL				
3.		UNKNOWN	ACID#79	NO GOOD FIT (Red)				
4.		UNKNOWN	ACID#116	NO GOOD FIT				
5.		UNKNOWN	ACID#142	NO GOOD FIT				
6.		UNKNOWN	ACID#157	NO GOOD FIT				
7.		DODECANOIC ACID	ACID#203	979				
8.		UNKNOWN	ACID#242	NO GOOD FIT				
9.		UNKNOWN	ACID#290	NO GOOD FIT				
10.		UNKNOWN	ACID#448	' NO GOOD FIT				
11.		1,1,1,2-TETRACHLORO-						
12.		PROPANE	B/N#42	834				
13.		UNKNOWN	B/N#68	NO GOOD FIT				
14.		UNKNOWN	B/N#217	NO GOOD FIT				
15.		UNKNOWN	B/N#270	NO GOOD FIT				
16.								
17.								
18.	·							
9.								
20.1								

		WEST COAST TECH	INICAL SERVICE	INC.	INDUSTRIAL	CATEGORY	· · · · · ·	
	SAMPLE	ID	C0414	SAMPL	E ID	C0414		
	•			LAB II)	2084489	-	
				DATE I	EXTRACTED	2/6/81		
	DATE I	NJECTED	2/23/81	DATE	INJECTED	2/26/81		•
		DFTPP1264 PHEN31		STD ID	DFTPP103	3 BNSTDO53		
	•	ACTOR		CONC I	FACTOR	1000	•	
	Acid Co	ompounds	ug/l	Base/N	Neutral Compo	ounds	ug/l	
	21A 2	,4,6-trichlorophenol	ND_	41B	4-bromophen	yl phenyl ethe	r ND	
	22A p	-chloro-m-cresol	ND_	42B	bis(2-chloro	isopropyl) ethe	r ND	
	24A 2	-chlorophenol	ND _	43B	bis (2-chlor	oethoxy) metha	ne ND	
	31A 2	,4-dichlorophenol	ND	52B	hexachloroby	utadiene	ND	
	-	,4-dimethylphenol	ND	53B	hexachlorocy	clopentadiene	ND	
		-nitrophenol	ND	54B	isophorone		ND	
•		-nitrophenol	ND	55B	naphthalene		1471	
		,4-dinitrophenol	ND	56B	nitrobenzene		ND	
		,6-dinitro-o-cresol	ND	61B	N-nitrosodim	ethylamine	ND	
		entachlorophenol	ND	62B	N-nitrosodip	henylamine	ND_	
		henol	ND	63B	N-nitrosodi-	n-propylamine	ND	
				66B	bis (2-ethyl	hexyl) phthala	ate *	
	Base/N	eutral Compounds		67B	butyl benzy	l phthalate	ND	
				68B	di-n-butyl j	phthalate	ND	
	1B _a	cenaphthene	ND	69B	di-n-octyl p	hthalate ppic	INAIND	
	5B 1	oenzidine	ND	70B	diethyl phth	nalatë (R	ed) ND	
		1,2,4-trichlorobenzer	ne ND	71B	dimethyl ph	thalate	ND	
	9B 1	nexachlorobenzene	<u>ND</u> .	72B	benzo(a) an	thracene	·" ND	
٠		nexachloroethane	ND_	73B	benzo(a)pyr	ene	ND_	
		ois(2-chloroethyl)eth	er ND	74B	3,4-benzoflu	oranthene	ND_	
	20B 2	2-chloronapthalene	ND	75B	benzo(k)fluo	oranthene	ND	
	25B 1	,2-dichlorobenzene	· ND	76B	chrysene		ND_	
		,3-dichlorobenzene	ND	77B	acenaphthyl	ene	ND_	
	27B 1	.4-dichlorobenzene	ND	78B	anthracene		44	-(1)
•	28B 3	3,3'-dichlorobenzidi	ne <u>ND</u>	79B	benzo(ghi)p	erylene	ND_	
	35B 2	2,4-dinitrotoluene	ND	80B	fluorene	····	ND	
	36B 2	2,6-dinitrotoluene	ND_	81B	phenanthrer		44	(1)
	37B 1	,2-diphenylhydrazir	ne	82B)anthracene	ND	
		(as azobenzene)	. ND	83B	indeno(1,2,	3-cd)pyrene	ND	
	39B I	fluoranthene	ND	84B	pyrene		*	-
	<u> 408</u>	4-chlorophenyl phen	yl ether ND	129B		achlorodibenzo-		
	-			p-dio	xin	(I)-Coeluting	Compound	is
						_		

WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY ____ SAMPLE ID SAMPLE ID C0414 C0414 LAB ID 20844V11 & 20844V18 LAB ID 20844 Trace # 2237 DATE INJECTED 2/10/81 & 2/5/81 DATE EXTRACTED 2/6/81 DATE INJECTED 2/11/81 STD ID DFTPP1255/DFTPP1252 VOA118/VOA116 Trace # 2236 CONC. FACTOR STD ID CONC. FACTOR 40 Pesticides ug/l ug/l Volatiles 89P aldrin acrolein ND ND_ 2V ND 90P dieldrin ND. acrylonitrile ND 91P chlordane ND 4V benzene ND 92P 4,4'-DDT carbon tetrachloride 6V ND ND 93P 4,4'-DDE 7V chlorobenzene ND ND 94P 4,4'-DDD 10V 1,2-dichloroethane ND ND 95P alpha-endosulfan 1,1,1-trichloroethane 11V ND 96P beta-endosulfan 13V 1,1-dichloroethane ND endosulfan sulfate ND 97P 14V 1,1,2-trichloroethane ND ND 98P endrin 1,1,2,2-tetrachloroethane ND. 15V ND 11 99P endrin aldehyde 16V chloroethane ND heptachlor 100P heptachlor epoxide ND 101P 2-chloroethylvinyl ether 19V ND ND 102P alpha-BHC 23V chloroform ND beta-BHC ND 103P 1,1-dichloroethylene 29V ND ORIGINAL ND 104P gamma-BHC 1,2-trans-dichloroethylene 30V ND (रिस्पे) ND 105P delta-BHC 1,2-dichloropropane 32V ND - ND 106P PCB-1242 1,3-dichloropropylene 33V ND 7883 ND 107P PCB-1254 38V ethylbenzene · 108P PCB-1221 ND 44V methylene chloride · 38 PCB-1232 ND 109P methyl chloride 45V ND ND PCB-1248 ND_ 110P methyl bromide 46V ND PCB-1260 111P ND_ 47V bromoform PCB-1016 ND dichlorobromomethane 112P ND. 48V ND ND_ 113P toxaphene trichlorofluoromethane 491

ND

ND

ND

ND

ND

2363

dichlorodifluoromethane

chlorodibromomethane

tetrachloroethylene

trichloroethylene

vinyl chloride

toluene

50V

51V

85V

86V

87V

88V

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number CO414

QC Report No: 27

A. SURROGATE SPIKE RESULTS							
COMPOUND	Fraction	Conc.(ug/l)	(Surroga Spike Added (ug/1)	tes only) % Recovery			
Benzene - d6	VOA	40	50	80			
1-Chloro-2-Bromopropane	VOA	43	50	87			
Toluene - d8	VOA	43	50	85			
2-Fluorophenol	ACID	33	142	23			
Phenol - d5	ACID	30 _	103	29			
Nitrobenzene - d5	B/N	ND	. 98	0 .			
2-Fluorobiphenyl	B/N	ND	100	0			
Naphthalene-D8	B/N	ND	102	0			

D. TENIATIVEET IDENTITIES CONTOURS							
	;			% Maximum Score Attained			
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)			
1.		UNKNOWN	VOA# 421	NO GOOD FIT			
2.		UNKNOWN	ACID#47	NO GOOD FIT			
3.		UNKNOWN	ACID# 53	NO GOOD FIT			
4.		UNKNOWN	ACID#57	NO GOOD FIT			
5.		Ù NKNOWN-	ACID#63	NO GOOD FIT ORIGINAL			
6.	•	UNKNOWN	ACID#82	NO GOOD FIT (Red)			
7.		2-METHYLNAPHTHALENE	ACID#102	950			
8.		DIMETHYL NAPHTHALENE	ACID#117	990			
9.		DIMETHYL NAPHTHALENE	ACID#124	980			
10.		ETHYLNAPHTHALENE	ACID#131	964			
11.		TRIMETHYL NAPHTHALENE	ACID#145	938			
12.		UNKNOWN	ACID#200	NO GOOD FIT			
13.		HYDROCARBON	B/N#20	GENERAL FIT			
14.		HYDROCARBON	B/N#27	GENERAL FIT			
15.		HYDROCARBON	B/N#40	GENERAL FIT *			
16.		HYDROCARBON	B/N#50	GENERAL FIT			
17.		HYDROCARBON	B/N#64	GENERAL FIT			
18.		HYDROCARBON	B/N#78	GENERAL FIT			
19.		HYDROCARBON	B/N#93	GENERAL FIT			
20.							

ORGANICS ANALYSIS DATA SHEET - Page 3

QC Report No: 27

Sample Number CO414 con't

A. SURROGATE SPIKE RESULTS						
COMPOUND	Fraction	Conc.(ug/1)	(Surroga Spike Added (ug/1)	tes only) % Recovery		
Benzene - d6	VOA					
1-Chloro-2-Bromopropane	VOA			 		
Toluene - d8	VOA					
2-Fluorophenol	ACID					
Phenol - d5	ACID	<u> </u>				
Nitrobenzene - d5	B/N					
2-Fluorobiphenyl	B/N		<u>.</u>			
Naphthalene-D8	B/N					

	B. TENTATIVELY IDENTIFIED COMPOUNDS						
				% Maximum Score Attained			
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)			
1.		HYDROCARBON	B/N#105	GENERAL FIT			
2.		HYDROCARBON	B/N#132	GENERAL FIT			
3.		HYDROCARBON	B/N#146	GENERAL FIT			
4.				ARIGINAL			
5.				(Red)			
6.							
7.				W. C.			
8.							
9.	·						
10.				,			
11.							
12.							
13.			ļ	· · · · · · · · · · · · · · · · · · ·			
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20.	-	-	1				

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SAMP	LE ID	C0415	SAMPI	LE ID	C0415	
LAB		20844A10	LAB I	D	20844B10	
DATE	EXTRACTED		DATE	EXTRACTED	2/6/81	
	INJECTED		DATE	INJECTED	2/26/81	
STD 1	ID DFTPP1264 PHE	N312	STD I	D		
	FACTOR		CONC	FACTOR	1000	·
	,					
Acid	Compounds	ug/l	Base/	Neutral Compo	unds	ug/l
21A	2,4,6-trichloropheno	l ND	41B	4-bromophen	yl phenyl e	ther ND
22A	p-chloro-m-cresol	ND_	42B	bis(2-chloroi	sopropyl) e	ther ND
24A	2-chlorophenol	ND T	43B	bis (2-chlore	oethoxy) me	thane ND
31A	2,4-dichlorophenol	ND	<u>52B</u>	hexachlorobu	tadiene	ND ND
34A	2,4-dimethylphenol	ND	<u>53B</u>	hexachlorocy	clopentadie	ne ND
57A	2-nitrophenol	<u>ND</u>	54B	isophorone		ND
58A	4-nitrophenol	ND_	<u>55B</u>	naphthalene		ND
59A	2,4-dinitrophenol	ND_	56B	nitrobenzene		ND
60A	4,6-dinitro-o-cresol	ND_	61B	N-nitrosodim	ethylamine	·ND
64A	pentachlorophenol	ND_	62B	N-nitrosodip	henylamine	ND.
65A	phenol	*	63B	N-nitrosodi-	n-propylami	ne ND
			66B	bis (2-ethyl)	hexyl) phth	alate *_
Base	/Neutral Compounds		67B	butyl benzyl	phthalate	ND_
	•		68B	di-n-butyl p	hthalate	*
1B.	acenaphthene	ND	69B	di-n-octyl p	hthalate	ND ND
5B	benzidine	ND.	70B	diethyl phth	alate UN	(Reg)
8B	1,2,4-trichlorobenze	ne ND	71B	dimethyl phi	halate	(NCU) *
9B	hexachlorobenzene	ND_	72B	benzo(a) an	thracene	ND ND
12B	hexachloroethane	ND	73B	benzo(a)pyro	ene .	<u>ND</u>
18B	bis(2-chloroethyl)et	her ND	74B	3,4-benzoflu	oranthene	ND
20B	2-chloronapthalene	ND_	75B	benzo(k)fluo	ranthene	ND
25B	1,2-dichlorobenzene	*	76B	chrysene		ND.
26B	1,3-dichlorobenzene	ND_	77B	acenaphthyl	ene	ND
27B	1,4-dichlorobenzene	14	78B	anthracene		ND_
28B	3,3'-dichlorobenzidi	ine ND	79B	benzo(ghi)pe	erylene	ND
35B	2,4-dinitrotoluene	NDND	80B	fluorene		ND_
36B	2,6-dinitrotoluene	ND	<u>81B</u>	phenanthren		ND_
37B	1,2-diphenylhydrazi	ne	82B	dibenzo(a,h		ND
	(as azobenzene)	ND_	83B	indeno(1,2,3	-cd)pyrene	ND_
39B	fluoranthene	ND	84B	pyrene		ŅD
40B	4-chlorophenyl pher	nyl ether ND	129B		chlorodiben	
			p-die	oxin		ND

SAM	IPLE ID	C0415	SAMPI	LE ID	C0415	
	3 ID	20844V17	LAB I	D	20844 Trace #22	30
	TE INJECTED	2/13/81 :	DATE	EXTRACTED	2/6/81	
STD	ID DFTPP1255 VO	1118	DATE	INJECTED_	2/10/81	
CON	IC. FACTOR		STD I	D	Trace #2229	
			CONC	FACTOR	100	
,						
	atiles	ug/l	Pestic			ug/l
<u>2V</u>	acrolein	ND	89P	aldrin		
<u>3V</u>	acrylonitrile	ND.	90P	dieldrin	· · · · · · · · · · · · · · · · · · ·	ND
<u>4V</u>	benzene	34	91P	chlordane		ND
<u>6V</u>	carbon tetrachloride	e ND	92P	4,4'-DDT		<u>ND</u>
<u>7V</u>	chlorobenzene	128	93P	4,4'-DDE		ND
10V	1,2-dichloroethane	ND:	94P	4,4'-DDD		ND
<u>11,v</u>	1,1,1-trichloroethan	e 26	95P	alpha-endo	sulfan	ND
13V	1,1-dichloroethane	ND_	96P	beta-endosi	ulfan	ND
14V	1,1,2-trichloroethan	e <u>ND</u>	97P	endosulfan	sulfate	ND
15V	1,1,2,2-tetrachloroet	hane ND	98P .	endrin		ND
16V	chloroethane	ND.	99P	endrin ald	ehyde `	. ND
XXX	KKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKK	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	100P	heptachlor		ND
. 190			101P	heptachlor	epoxide	ND
23V	chloroform	ND.	102P	alpha-BHC		ND
29V	1,1-dichloroethylene	ND_	103P	beta-BHC	ORIGINAL	ND
30V	1,2-trans-dichloroet	hylene ND	104P	gamma-BHC	(Red)	ND
32V	1,2-dichloropropane	ND.	105P	delta-BHC		ND
33V			106P	PCB-1242	,	ND_
38V		85	107P	PCB-1254		ND
44V		37	108P	PCB-1221		ND
45V	methyl chloride	ND	109P	PCB-1232		ND
46V		ND	110P	PCB-1248		· ND
47V	bromoform	ND	111P	PCB-1260		ND
48V	dichlorobromomethan	e ND	112P	PCB-1016		ND
49V	trichlorofluorometha	ne ND	113P	toxaphene		ND_
· 50V	dichlorodifluorometh	ane ND				
51V			* = I	ess than 10	ug/l	
85V		ND	` (pe	sticides less	than 5 ug/l)	
86V		26	ND =	Not detected		
87V	trichloroethylene	ND	** =	Not confirme	d by GCMS	
88V		ND		•		
\rightarrow					•	

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WEST COAST TECHNICAL SERVICE INC.
ORGANICS ANALYSIS DATA SHEE - Page 3

QC Report No: 27

Sample Number CO415

A. SURROGATE SPIKE RESULTS						
COMPOUND	Fraction	Conc.(ug/l)	(Surroga Spike Added (ug/1)	tes only) % Recovery		
Benzene - d6	VOA	42	50	85		
1-Chloro-2-Bromopropane	VOA	42	50	83		
Toluene - d8	VOA	43	50	87		
2-Fluorophenol	ACID	38	142	27		
Phenol - d5	ACID	22	103	21		
Nitrobenzene - d5	B/N	103	98	105		
2-Fluorobiphenyl	B/N	95	100	95		
Naphthalene-D8	B/N	91	102	89		

	% Maximum Score Atta				
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)	
1.		UNKNOWN	V OA# 422	NO GOOD FIT	
2.		UNKNOWN	ACID#136	NO GOOD FIT	
3.		UNKNOWN	ACID#158	NO GOOD FIT	
4.		UNKNOWN	ACID#200	NO GOOD FIT	
5.		UNKNOWN	ACID#223	NO GOOD FIT ORIGINAL (Red)	
6.		UNKNOWN	ACID#251	NO GOOD FIT	
7.		UNKNOWN	ACID#442	NO GOOD FIT	
8.		UNKNOWN	B/N#20	NO GOOD FIT	
9.		UNKNOWN	B/N#46	NO GOOD FIT	
10.		UNKNOWN	B/N#65	' NO GOOD FIT	
11.		UNKNOWN	B/N#86	NO GOOD FIT	
12.		UNKNOWN	B/N#143	NO GOOD FIT	
13.		UNKNOWN	B/N#244	NO GOOD FIT	
14.		UNKNOWN	B/N#277	NO GOOD FIT	
15.	·	UNKNOWN	B/N#294	NO GOOD FIT	
16.		UNKNOWN	B/N#363	NO GOOD FIT	
17.	·	UNKNOWN	B/N#423	NO GOOD FIT	
18.				·	
19.					
20.					

<u>.</u>		•			
	PLE ID	C0416	SAMF	CO416	
LAB	ID	20844A11	LAB	ID20844B11	-
		2/7/81		EXTRACTED 2/6/81	
	E INJECTED		DATE	: INJECTED 2/26/81	
STD	ID DFTPP1264 PH	EN312	STD	IDDFTPP103 BNSTD053	
CON	C FACTOR	1000	CONC	FACTOR 1000	
-	•				
Acid	Compounds	ug/l	Base	/Neutral Compounds u	g/l
<u>21A</u>	2,4,6-trichlorophenol	l ND	41B	4-bromophenyl phenyl ether	ND
22A	p-chloro-m-cresol	ND	42B	bis(2-chloroisopropyl) ether	ND
24A	2-chlorophenol	ND_	43B	bis (2-chloroethoxy) methane	ND
31A	2,4-dichlorophenol	ND	<u>52B</u>	hexachlorobutadiene	ND
34A	2,4-dimethylphenol	ND	53B	hexachlorocyclopentadiene	ND
57A	2-nitrophenol	ND	54B	isophorone	ND
58A	4-nitrophenol	ND	55B	naphthalene	ND
59A	2,4-dinitrophenol	ND	56B	nitrobenzene	ND
60A	4,6-dinitro-o-cresol	ND	61B	N-nitrosodimethylamine	ND
64A	pentachlorophenol	ND_	62B	N-nitrosodiphenylamine	ND
65A	phenol	ND	63B	N-nitrosodi-n-propylamine	ND
			66B	bis (2-ethylhexyl) phthalate	ND.
Base	/Neutral Compounds		67B	butyl benzyl phthalate	ND
			68B	di-n-butyl phthalate	*
1B	acenaphthene	ND	69B	•	ND
5B	benzidine	ND	70B	diethyl phthalate ORIGINAL	ND
8B	1,2,4-trichlorobenzer		71B	dimethyl phthalate (Red)	ND
9B	hexachlorobenzene	ND	72 B	benzo(a) anthracene	ND
12B	hexachloroethane	ND	73B	benzo(a)pyrene	ND T
18B	bis(2-chloroethyl)eth	er ND	74B	3,4-benzofluoranthene	ND
20B	2-chloronapthalene	ND	75B	benzo(k)fluoranthene	ND_
25B	1,2-dichlorobenzene	ND	76B	chrysene	ND
26B	1,3-dichlorobenzene	ND	77B	acenaphthylene	ND
27B	1,4-dichlorobenzene	ND	78B	anthracene	ND
28B	3,3'-dichlorobenzidir	neND	79B	benzo(ghi)perylene	ND
35B	2,4-dinitrotoluene	ND	80B	fluorene	ND
36B	2,6-dinitrotoluene	ND	81B	phenanthrene	ND_
37B	1,2-diphenylhydrazin		82B	dibenzo(a,h)anthracene	ND_
	(as azobenzene)	ND_	83B	indeno(1,2,3-cd)pyrene	ND_
39B ·	fluoranthene	ND_	84B	pyrene	ND
40B	4-chlorophenyl pheny	l ether ND	129B	2,3,7,8-tetrachlorodibenzo-	
-			p-dio	xin	Nn_

SAMPLE ID	C0416
LAB ID	20844V16
DATE INJECTED_	2/13/81
STD ID DF	TPP1255 VOA118
CONC. FACTOR	

SAMPLE ID	C0416
LAB ID 20844	Trace #2231
DATE EXTRACTED	2/6/81
DATE INJECTED	2/10/81
STD ID	Trace #2229
CONC. FACTOR	100

Vola	tiles '	ug/l
2V	acrolein	ND
3V	acrylonitrile	ND
4V	benzene	NDND
6V	carbon tetrachloride	
7V	chlorobenzene	ND ND
10V	1,2-dichloroethane	ND ND
11V	1,1,1-trichloroethane	<u>ND</u> ★
13V	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND ND
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	ND ND
	x x ja ja a ka ja ja a ka ma ma ja ja ya x sek ja sek x x x x x x	ND ND
19V	2-chloroethylvinyl ether	
23V	chloroform	<u>ND</u>
29V	1,1-dichloroethylene	110
30V	1,2-trans-dichloroethylene	ND ND
32V	1,2-dichloropropane	
33V	1,3-dichloropropylene	ND
38V	ethylbenzene	ND
44V	methylene chloride	ND 35
45V	methyl chloride	
746V	methyl bromide	ND ND
47V	bromoform	ND
48V	dichlorobromomethane	ND
49V	trichlorofluoromethane	ND
50V	dichlorodifluoromethane	ND
51 V	chlorodibromomethane	ND
85V	tetrachloroethylene	ND
86V	toluene	*
87V	trichloroethylene	ND
88V	vinyl chloride	ND

Pesti	cides		ug/l
89P	aldrin		ND_
90P	dieldrin		ND
91P	chlordane		ND
92P	4,4'-DDT		ND
93P	4,4'-DDE		ND
94P	4,4'-DDD		ND
95P	alpha-endosulfan		ND
96P	beta-endosulfan		ND
<u>97P</u>	endosulfan sulfate		ND
98P	endrin	<u>'</u>	ND
99P	endrin aldehyde	,	ND
100P	heptachlor		ND
101P	heptachlor epoxide		ND
102P	alpha-BHC		ND
103P	beta-BHC		ND
104P	gamma-BHC	ORIGINAL	ND
105P	delta-BHC	(Red)	ND
106P	PCB-1242		ND
107P	PCB-1254	7	ND.
108P	PCB-1221		_ND
109P	PCB-1232		ND
110P	PCB-1248		ND
111P	PCB-1260		ND
112P	PCB-1016		ND
113P	toxaphene		ND_

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

QC	Report	No:_	27		
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Sample	Number	
C0416		

A. SURROGATE SPIKE RESULTS					
			(Surrogates only)		
COMPOUND	Fraction	Conc.(ug/1)	Spike Added (ug/1)	% Recovery	
Benzene - d6	VOA	49	50	97	
1-Chloro-2-Bromopropane	VOA	47	50	94	
Toluene - d8	VOA	46	50	92	
2-Fluorophenol	ACID	97	142	68	
Phenol - d5	ACID	ND	103	9	
Nitrobenzene - d5	B/N	78	98	80	
2-Fluorobiphenyl	B/N	89	100	89	
Naphthalene-D8	B/N	38	102	37	

			CLI IDENITEI	LO COMPOUNDS
	.:			% Maximum Score Attained
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)
1.		UNKNOWN	V0A#445	NO GOOD FIT
2.		UNKNOWŃ	ACID#86	NO GOOD FIT
3.		UNKNOWN	AC ID#106	NO GOOD FIT
4.		UNKNOWN	ACID#132	NO GOOD FIT ORIGINAL
5		UNKNOWN	ACID#187	NO GOOD FIT (Ked)
6.	,	UNKNOWN	B/N#64	NO GOOD FIT
7.		UNKNOWN	B/N#95	NO GOOD FIT
8.		3,3,3-TRICHLORO-1-		·
9.		PROPENE	B/N#40	912
10.		UNKNOWN	B/N#173	NO GOOD FIT
11.		UNKNOWN	B/N#212	NO GOOD FIT
12.		UNKNOWN	B/N#267	NO GOOD FIT
13.		UNKNOWN	B/N#304	NO GOOD FIT
14.		UNKNOWN	B/N#434	NO GOOD FIT
15.				
6.				
7.			-	
8.				
9.				
n.l				

	LE ID	METHOD BLAN	K SAMPI	LE ID METHOD BLANK	
LAB-	ID	20844A12	LAB 1	D 20844B12	
DATE	EXTRACTED	2/7/81 ·	DATE	EXTRACTED 2/6/81	
DATE	INJECTED	2/23/81	DATE	INJECTED 2/27/81	···
STD	ID <u>DFTPP1264 PHE</u>	N312	STD I	D DFTPP104 BNSTD054	
CONC	FACTOR	1000	CONC	FACTOR 1000	
				Prageon It La	adj
Acid	Compounds	ug/l	Base/		g/l
21A	2,4,6-trichlorophenol	ND	41B	4-bromophenyl phenyl ether	ND
22A	p-chloro-m-cresol	ND	42B	bis(2-chloroisopropyl) ether	ND
24A	2-chlorophenol	· ND	43B	bis (2-chloroethoxy) methane	ND
31A	2,4-dichlorophenol	. ND	52B	hexachlorobutadiene	ND
34A	2,4-dimethylphenol	ND	53B	hexachlorocyclopentadiene	ND
57A	2-nitrophenol	ND	54B	isophorone	ND
58A	4-nitrophenol	ND	55B	naphthalene	ND
59A	2,4-dinitrophenol	ND		nitrobenzene	ND
60A	4,6-dinitro-o-cresol	. ND	61B	N-nitrosodimethylamine	ND
64A	pentachlorophenol	ND	62B	N-nitrosodiphenylamine	ND
65A	phenol	. ND	- :	N-nitrosodi-n-propylamine	ND
	priction	NU	- 66B	bis (2-ethylhexyl) phthalate	ND
Raco	/Neutral Compounds			· · · · · · · · · · · · · · · · · · ·	
			D/R	butyl benzyl phthalate	ИD
Dase	, neutral compounds		. <u>67B</u> 68B	butyl benzyl phthalate di-n-butyl phthalate	
		· ND	68B	di-n-butyl phthalate	ND
1B	acenaphthene	ND_	68B 69B	di-n-butyl phthalate di-n-octyl phthalate	ND ND
1B 5B	acenaphthene benzidine	ND	68B 69B 70B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate	ND ND ND
1B 5B 8B	acenaphthene benzidine 1,2,4-trichlorobenzen	e ND	68B 69B 70B 71B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate	ND ND ND
1B 5B 8B 9B	acenaphthene benzidine 1,2,4-trichlorobenzen hexachlorobenzene	ND e ND ND	68B 69B 70B 71B 72B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red)	ND ND ND ND
1B 5B 8B 9B	acenaphthene benzidine 1,2,4-trichlorobenzen hexachlorobenzene hexachloroethane	ND e ND ND ND	68B 69B 70B 71B 72B 73B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene	ND ND ND ND ND
1B 5B 8B 9B 12B 18B	acenaphthene benzidine 1,2,4-trichlorobenzen hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe	ND e ND ND ND ND	68B 69B 70B 71B 72B 73B 74B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene 3,4-benzofluoranthene	ND ND ND ND ND ND
1B 5B 8B 9B 12B 18B 20B	acenaphthene benzidine 1,2,4-trichlorobenzen hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene	ND	68B 69B 70B 71B 72B 73B 74B 75B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene	ND ND ND ND ND ND
1B 5B 8B 9B 12B 18B 20B	acenaphthene benzidine 1,2,4-trichlorobenzen hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene 1,2-dichlorobenzene	ND e ND ND ND er ND ND ND	68B 69B 70B 71B 72B 73B 74B 75B 76B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (ped) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene chrysene	ND ND ND ND ND ND ND
1B 5B 8B 9B 12B 18B 20B 25B 26B	acenaphthene benzidine 1,2,4-trichlorobenzen hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene 1,2-dichlorobenzene 1,3-dichlorobenzene	ND e ND	68B 69B 70B 71B 72B 73B 74B 75B 76B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene chrysene acenaphthylene	ND ND ND ND ND ND ND ND
1B 5B 8B 9B 12B 18B 20B 25B 26B	acenaphthene benzidine 1,2,4-trichlorobenzene hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene	ND e ND ND ND er ND ND ND ND ND ND ND ND	68B 69B 70B 71B 72B 73B 74B 75B 76B 77B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene chrysene acenaphthylene anthracene	ND ND ND ND ND ND ND ND
1B 5B 8B 9B 12B 18B 20B 25B 26B 27B	acenaphthene benzidine 1,2,4-trichlorobenzene hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene 1,2-dichlorobenzene 1,4-dichlorobenzene 3,3'-dichlorobenzidin	ND e ND	68B 69B 70B 71B 72B 73B 74B 75B 76B 77B 78B 79B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene chrysene acenaphthylene anthracene benzo(ghi)perylene	ND ND ND ND ND ND ND ND ND
1B 5B 8B 9B 12B 18B 20B 25B 26B 27B 28B 35B	acenaphthene benzidine 1,2,4-trichlorobenzene hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 3,3'-dichlorobenzidin 2,4-dinitrotoluene	ND e ND N	68B 69B 70B 71B 72B 73B 74B 75B 76B 77B 78B 79B 80B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (ped) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene chrysene acenaphthylene anthracene benzo(ghi)perylene fluorene	ND ND ND ND ND ND ND ND ND ND
1B 5B 8B 9B 12B 18B 20B 25B 26B 27B 28B 35B 36B	acenaphthene benzidine 1,2,4-trichlorobenzene hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 3,3'-dichlorobenzidin 2,4-dinitrotoluene 2,6-dinitrotoluene	ND e ND N	68B 69B 70B 71B 72B 73B 74B 75B 76B 77B 78B 79B 80B 81B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene chrysene acenaphthylene anthracene benzo(ghi)perylene fluorene phenanthrene	ND ND ND ND ND ND ND ND ND ND
1B 5B 8B 9B 12B 18B 20B 25B 26B 27B 28B 35B 36B	acenaphthene benzidine 1,2,4-trichlorobenzene hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 2,4-dinitrotoluene 2,6-dinitrotoluene 1,2-diphenylhydrazine	ND e ND N	68B 69B 70B 71B 72B 73B 74B 75B 76B 77B 78B 79B 80B 81B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene chrysene acenaphthylene anthracene benzo(ghi)perylene fluorene phenanthrene dibenzo(a,h)anthracene	ND N
1B 5B 8B 9B 12B 18B 20B 25B 26B 27B 28B 35B 36B 37B	acenaphthene benzidine 1,2,4-trichlorobenzene hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene 1,2-dichlorobenzene 1,4-dichlorobenzene 3,3'-dichlorobenzidin 2,4-dinitrotoluene 2,6-dinitrotoluene 1,2-diphenylhydrazine (as azobenzene)	ND e ND N	68B 69B 70B 71B 72B 73B 74B 75B 76B 77B 78B 79B 80B 81B 82B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene chrysene acenaphthylene anthracene benzo(ghi)perylene fluorene phenanthrene dibenzo(a,h)anthracene indeno(1,2,3-cd)pyrene	ND N
1B 5B 8B 9B 12B 18B 20B 25B 26B 27B 28B 35B 36B	acenaphthene benzidine 1,2,4-trichlorobenzene hexachlorobenzene hexachloroethane bis(2-chloroethyl)ethe 2-chloronapthalene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 2,4-dinitrotoluene 2,6-dinitrotoluene 1,2-diphenylhydrazine	ND e ND N	68B 69B 70B 71B 72B 73B 74B 75B 76B 77B 78B 79B 80B 81B 82B	di-n-butyl phthalate di-n-octyl phthalate diethyl phthalate dimethyl phthalate benzo(a) anthracene (Red) benzo(a)pyrene 3,4-benzofluoranthene benzo(k)fluoranthene chrysene acenaphthylene anthracene benzo(ghi)perylene fluorene phenanthrene dibenzo(a,h)anthracene	ND N

WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY

SAMPLE ID	LAB BLANK	BFB
LAB ID		20797V14
DATE INJECTED		2/-9/81
STD ID	DFTPP1251	VOA115
CONC. FACTOR		

	·	
Vola	ntiles	ug/l
<u>2V</u>	acrolein	ND
<u>3</u> V	acrylonitrile	ND
4V	benzene	ND
<u>6V</u>	carbon tetrachloride	ND
<u>7V</u>	chlorobenzene .	ND
10V	1,2-dichloroethane	ND
11V	1,1,1-trichloroethane	*
13V	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND
<u>15V</u>	1,1,2,2-tetrachloroethane	ND
16V	chloroethane	ND
XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX
<u>19V</u>	2-chloroethylvinyl ether	· ND
23V	chloroform	*
29V	1,1-dichloroethylene	ND.
30V	1,2-trans-dichloroethylene	ND
<u>32V</u>	1,2-dichloropropane	ND
33V	1,3-dichloropropylene	ND
38V	ethylbenzene	<u>ND</u>
<u>44V</u>	methylene chloride	41
<u>45V</u>	methyl chloride	ND
<u>46V</u>	methyl bromide	ND
<u>47V</u>	bromoform	ND
<u>48</u> V	dichlorobromomethane	ND
49V	trichlorofluoromethane	ND
<u>50V</u>	dichlorodifluoromethane	ND
<u>51V</u>	chlorodibromomethane	ND
85V	tetrachloroethylene	ND
86V	toluene	*
87V	trichloroethylene	ND
<u>88v</u>	vinyl chloride	ND

SAMPLE ID	METHOD BLANK
LAB ID 20844	Trace#2209
DATE EXTRACTED_	2/6/81
DATE INJECTED	2/9/81
STD ID	Trace #2206
CONC FACTOR	100

		-	
Pesti	cides		ug/l
89P	aldrin		·ИD
90P	dieldrin		ND
91P	chlordane		ND
<u>92P</u>	4,4'-DDT		ND
93P	4,4'-DDE		ND
94P	4,4'-DDD		ND
95P	alpha-endosulfan		ND
96P	beta-endosulfan	- · · · · · ·	ND
97P	endosulfan sulfate		ND
98P	endrin		ND
99P	endrin aldehyde	1	ND
100P	heptachlor		ND
101P	heptachlor epoxide	•	ND
102P	alpha-BHC		ND
103P	beta-BHC		ND
104P	gamma-BHC		ND
105P	delta-BHC	ORIGINAL	ND
106P	PCB-1242	(Red)	ND
107P	PCB-1254	N See	ND .
108P	PCB-1221		_ND
109P	PCB-1232		ND
110P	PCB-1248		ND
111P	PCB-1260		ND
112P	PCB-1016		ND
113P	toxaphene		ND

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

QC Report No: 27

Sample Number METHOD BLANK

	A. SURROGATE	SPIKE RESULTS		
COMPOUND	Fraction	Conc.(ug/l)	(Surroga Spike Added (ug/1)	tes only) % Recovery
Benzene - d6	VOA	50	50	100
1-Chloro-2-Bromopropane	· VOA	47	50	94
Toluene - d8	VOA	47	50	94
2-Fluorophenol	ACID	45	142	32
Phenol - d5	ACID	ND	103	9
Nitrobenzene - d5	B/N	74	98	76
2-Fluorobiphenyl	B/N	86	100	86
Naphthalene-D8	B/N	70	102	69

B. TENTATIVELY IDENTIFIED COMPOUNUS				
	: 1			% Maximum Score Attained
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)
1.		UNKNOWN	ACID#57	NO GOOD FIT
2		UNKNOWN	ACID#84	NO GOOD FIT
3.		UNKNOWN	ACID#105	NO GOOD FIT
4.		UNKNOWN	ACID#114	NO GOOD FIT ORIGINAL
5.	·	UNKNOWN	ACID#132	NO GOOD FÎT (Red)
6.		UNKNOWN	ACID#143	NO GOOD FIT
7.		UNKNOWN	ACID#164	NO GOOD FIT
8.		UNKNOWN	ACID#158	NO GOOD FIT
9.		UNKNOWN	ACID#169	NO GOOD FIT
10.		UNKNOWN	ACID#189	NO GOOD FIT
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.1	1			

WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY Pigeon Pt

SAMP	LE ID METHO	D-BLANK -	SAMPL	E ID METHOD BLANK	
LAB			LAB I	D20844B12	
DATE	EXTRACTED 2/7/8		DATE	EXTRACTED 2/6/81	·
DATE	INJECTED 2/23/	/81	DATE	INJECTED 2/27/81	
STD 1	ID DFTPP1264 PHEN312		STD II	D DFTPP1 04 BNSTD054	
	FACTOR 1000		CONC	FACTOR 1000	
	•				
Acid	Compounds.	ug/l	Base/	Neutral Compounds ug	<u>g/1</u>
21A	2,4,6-trichlorophenol	ND	41B	4-bromophenyl phenyl ether	ND
22A	p-chloro-m-cresol	ND _	42B	bis(2-chloroisopropyl) ether	ND
24A	2-chlorophenol	ND	43B	bis (2-chloroethoxy) methane	ND_
31A	2,4-dichlorophenol	ND	52B	hexachlorobutadiene	ND .
34A	2,4-dimethylphenol	ND	53B	hexachlorocyclopentadiene	ND
57A	2-nitrophenol	ND	54B	isophorone	ND
58A	4-nitrophenol	ND	55B	naphthalene	ND
59A	2,4-dinitrophenol	ND	56B	nitrobenzene	ND
60A	4,6-dinitro-o-cresol	ND	61B	N-nitrosodimethylamine	ND
64A	pentachlorophenol	ND_	62B	N-nitrosodiphenylamine	ND
	phenol	ND	63B	N-nitrosodi-n-propylamine	ND
			66B	bis (2-ethylhexyl) phthalate	ND
Base	/Neutral Compounds		67B	butyl benzyl phthalate	ND
		•	68B	di-n-butyl phthalate	ND
1B	acenaphthene	ND_	69B	di-n-octyl phthalate	ND
5B	benzidine	· ND	70B	diethyl phthalate	ND_
8B	1,2,4-trichlorobenzene	ND	71B	dimethyl phthalate	ND_
9B	hexachlorobenzene	ND	72B	benzo(a) anthracene	ND
12B	hexachloroethane	ND_	73B	benzo(a)pyrene	ND_
18B	bis(2-chloroethyl)ether	ND	74B	3,4-benzofluoranthene	ND_
20B	2-chloronapthalene	ND	75B	benzo(k)fluoranthene	ND_
25B	1,2-dichlorobenzene	ND	76B	chrysene	ND_
26B	1,3-dichlorobenzene	<u>ND</u>	77B	acenaphthylene	ND_
27B	1,4-dichlorobenzene	ND_	78B	anthracene	ND_
28B	3,3'-dichlorobenzidine	ND	79B	benzo(ghi)perylene	_ND_
35B	2,4-dinitrotoluene	ND	80B	fluorene	ND_
36B	2,6-dinitrotoluene	ND	81B	phenanthrene	_ND_
37B	1,2-diphenylhydrazine		82B	dibenzo(a,h)anthracene	_ND_
	(as azobenzene)	ND	83B	indeno(1,2,3-cd)pyrene	_ <u>ND</u> _
39B	fluoranthene	ND	84B	pyrene	ND
40B	4-chlorophenyl phenyl et	her ND	129B	2,3,7,8-tetrachlorodibenzo-	
			p-dio	xin	_ND_



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_

SAMPLE ID	LAB BLANK	BFB ,
LAB ID		20797V14
DATE INJECTED		2/9/81
STD ID	DFTPP1251	VOA115
CONC. FACTOR		

SAMPLE ID	METHOD BLANK
LAB ID 20844	1 Trace#2209
DATE EXTRACTED	2/6/81
DATE INJECTED	2/9/81
STD ID	Trace #2206
CONC. FACTOR	100

11V 1,1,1-trichloroethane * 13V 1,1-dichloroethane ND 14V 1,1,2-trichloroethane ND 15V 1,1,2,2-tetrachloroethane ND 16V chloroethane ND 2XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Volat	tiles	ug/l
4V benzene ND 6V carbon tetrachloride ND 7V chlorobenzene ND 10V 1,2-dichloroethane ND 11V 1,1,1-trichloroethane ND 14V 1,1,2-trichloroethane ND 15V 1,1,2,2-tetrachloroethane ND 16V chloroethane ND 2XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	2V	acrolein	ND
Carbon tetrachloride ND TV chlorobenzene ND 10V 1,2-dichloroethane ND 11V 1,1,1-trichloroethane * 13V 1,1-dichloroethane ND 14V 1,1,2-trichloroethane ND 15V 1,1,2,2-tetrachloroethane ND 16V chloroethane ND 28XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	3V	acrylonitrile	ND
7V chlorobenzene ND 10V 1,2-dichloroethane ND 11V 1,1,1-trichloroethane * 13V 1,1-dichloroethane ND 14V 1,1,2-trichloroethane ND 15V 1,1,2,2-tetrachloroethane ND 16V chloroethane ND 2XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	4 V	benzene	ND
10V 1,2-dichloroethane * 11V 1,1,1-trichloroethane * 13V 1,1-dichloroethane ND 14V 1,1,2-trichloroethane ND 15V 1,1,2,2-tetrachloroethane ND 16V chloroethane ND 22VXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	6V	carbon tetrachloride	ND
11V 1,1,1-trichloroethane * 13V 1,1-dichloroethane ND 14V 1,1,2-trichloroethane ND 15V 1,1,2,2-tetrachloroethane ND 16V chloroethane ND 22VXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	77	chlorobenzene	ND
13V 1,1-dichloroethane ND 14V 1,1,2-trichloroethane ND 15V 1,1,2,2-tetrachloroethane ND 16V chloroethane ND 27VXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	10V	1,2-dichloroethane	ND
14V 1,1,2-trichloroethane ND 15V 1,1,2,2-tetrachloroethane ND 16V chloroethane ND 2XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	11V	1,1,1-trichloroethane	*
15V 1,1,2,2-tetrachloroethane ND 16V chloroethane ND 22VXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	13V	1,1-dichloroethane	ND
16V chloroethane ND **X*X*X*X*X*X*X*X*X*X*X*XXXXXXXXXXXX	14V	1,1,2-trichloroethane	ND_
23V chloroform * 29V 1,1-dichloroethylene ND 30V 1,2-trans-dichloroethylene ND 32V 1,2-dichloropropane ND 33V 1,3-dichloropropylene ND 38V ethylbenzene ND 44V methylene chloride A1 45V methyl chloride ND 46V methyl bromide ND 48V dichlorobromomethane ND 48V dichlorofluoromethane ND 50V dichlorodifluoromethane ND 50V dichlorodifluoromethane ND 50V dichlorodifluoromethane ND 51V chlorodibromomethane ND 86V toluene * 87V trichloroethylene ND 86V toluene ND	15V	1,1,2,2-tetrachloroethane	ND.
19V 2-chloroethylvinyl ether 23V chloroform 29V 1,1-dichloroethylene 30V 1,2-trans-dichloroethylene ND 32V 1,2-dichloropropane ND 33V 1,3-dichloropropylene ND 44V methylene chloride 45V methyl chloride 46V methyl bromide ND 48V dichlorobromomethane ND 48V dichlorofluoromethane ND 50V dichlorodifluoromethane ND 51V chlorodibromomethane ND 85V tetrachloroethylene ND 86V toluene ** 87V trichloroethylene ND ** ND ** ** ** ** ** ** **	16V	chloroethane	ND
23V chloroform 29V 1,1-dichloroethylene 30V 1,2-trans-dichloroethylene 32V 1,2-dichloropropane 33V 1,3-dichloropropylene 38V ethylbenzene 44V methylene chloride 45V methyl chloride 46V methyl bromide 47V bromoform 48V dichlorobromomethane 49V trichlorofluoromethane 50V dichlorodifluoromethane 51V chlorodibromomethane 85V tetrachloroethylene 86V toluene ** 87V trichloroethylene ** ** ** ** ** ** ** ** **	XXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX
29V 1,1-dichloroethylene 30V 1,2-trans-dichloroethylene ND 32V 1,2-dichloropropane ND 33V 1,3-dichloropropylene ND 38V ethylbenzene ND 44V methylene chloride ND 45V methyl chloride ND 46V methyl bromide ND 47V bromoform ND 48V dichlorobromomethane ND 49V trichlorofluoromethane ND 50V dichlorodifluoromethane ND 51V chlorodibromomethane ND 85V tetrachloroethylene ND 86V toluene ND 87V trichloroethylene ND 87V trichloroethylene ND	19V	2-chloroethylvinyl ether	ND
30V 1,2-trans-dichloroethylene 32V 1,2-dichloropropane ND 33V 1,3-dichloropropylene ND 38V ethylbenzene ND 44V methylene chloride 45V methyl chloride ND 46V methyl bromide ND 47V bromoform ND 48V dichlorobromomethane ND 50V dichlorodifluoromethane ND 50V dichlorodifluoromethane ND 51V chlorodibromomethane ND 85V tetrachloroethylene ND 86V toluene ND 87V trichloroethylene ND	23V	chloroform	*
32V 1,2-dichloropropane ND 33V 1,3-dichloropropylene ND 38V ethylbenzene ND 44V methylene chloride 41 45V methyl chloride ND 46V methyl bromide ND 47V bromoform ND 48V dichlorobromomethane ND 50V dichlorodifluoromethane ND 51V chlorodibromomethane ND 85V tetrachloroethylene ND 86V toluene *	29V	1,1-dichloroethylene	ND
33V 1,3-dichloropropylene 38V ethylbenzene 44V methylene chloride 45V methyl chloride 46V methyl bromide 47V bromoform 48V dichlorobromomethane 49V trichlorofluoromethane 50V dichlorodifluoromethane 51V chlorodibromomethane 85V tetrachloroethylene 86V toluene *** 87V trichloroethylene ND ND ND ND ND ND ND ND ND N	30V	1,2-trans-dichloroethylene	ND.
38VethylbenzeneND44Vmethylene chloride4145Vmethyl chlorideND46Vmethyl bromideND47VbromoformND48VdichlorobromomethaneND49VtrichlorofluoromethaneND50VdichlorodifluoromethaneND51VchlorodibromomethaneND85VtetrachloroethyleneND86Vtoluene*87VtrichloroethyleneND	32V	1,2-dichloropropane	ND
44V methylene chloride 41 45V methyl chloride 46V methyl bromide 47V bromoform 48V dichlorobromomethane 49V trichlorofluoromethane 50V dichlorodifluoromethane 51V chlorodibromomethane 85V tetrachloroethylene 86V toluene 87V trichloroethylene 87V trichloroethylene 800	33V	1,3-dichloropropylene	<u>ND</u>
45V methyl chloride 46V methyl bromide 47V bromoform 48V dichlorobromomethane 49V trichlorofluoromethane 50V dichlorodifluoromethane 51V chlorodibromomethane 85V tetrachloroethylene 86V toluene 87V trichloroethylene ND ND ND ND ND ND ND ND ND N	38V	ethylbenzene	ND
46Vmethyl bromideND47VbromoformND48VdichlorobromomethaneND49VtrichlorofluoromethaneND50VdichlorodifluoromethaneND51VchlorodibromomethaneND85VtetrachloroethyleneND86Vtoluene*87VtrichloroethyleneND	44V	methylene chloride	· 41
47V bromoform ND 48V dichlorobromomethane ND 49V trichlorofluoromethane ND 50V dichlorodifluoromethane ND 51V chlorodibromomethane ND 85V tetrachloroethylene ND 86V toluene *	45V	methyl chloride	ND
47V bromoform ND 48V dichlorobromomethane ND 49V trichlorofluoromethane ND 50V dichlorodifluoromethane ND 51V chlorodibromomethane ND 85V tetrachloroethylene ND 86V toluene *	46V	methyl bromide	ND
49V trichlorofluoromethane ND 50V dichlorodifluoromethane ND 51V chlorodibromomethane ND 85V tetrachloroethylene ND 86V toluene * 87V trichloroethylene ND	47V	bromoform	ND
50V dichlorodifluoromethane ND 51V chlorodibromomethane ND 85V tetrachloroethylene ND 86V toluene *	48V	dichlorobromomethane	ND
51V chlorodibromomethane ND 85V tetrachloroethylene ND 86V toluene * 87V trichloroethylene ND	49V	trichlorofluoromethane	ND
85V tetrachloroethylene ND 86V toluene * 87V trichloroethylene ND	50V	dichlorodifluoromethane	ND
86V toluene * 87V trichloroethylene ND	51V	chlorodibromomethane	ND
87V trichloroethylene ND	85V	tetrachloroethylene	ND
	86V	toluene	*
88V vinyl chloride ND	87V	trichloroethylene	ND
	88V	vinyl chloride	ND

Pestic	ides	ug/l
89P	aldrin	ND
90P	dieldrin	ND
91P	chlordane	ND
92P	4,4'-DDT	ND
93P	4,4'-DDE	ND
94P	4,4'-DDD	ND
95P	alpha-endosulfan	ND
96P	beta-endosulfan	ND
97P	endosulfan sulfate	ND
98P	endrin	ND
99P	endrin aldehyde	ND
100P	heptachlor	ND
101P	heptachlor epoxide	ND_
102P	alpha-BHC	ND_
103P	beta-BHC	ND_
104P	gamma-BHC	<u> ND</u>
105P	delta-BHC (Pod)	ND_
106P	PCB-1242	ND_
107P	PCB-1254	ND
108P	PCB-1221	ND_
109P	PCB-1232	ND_
110P	PCB-1248	ND
111P	PCB-1260	ND
112P	PCB-1016	ND_
113P	toxaphene	<u>ND</u>

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

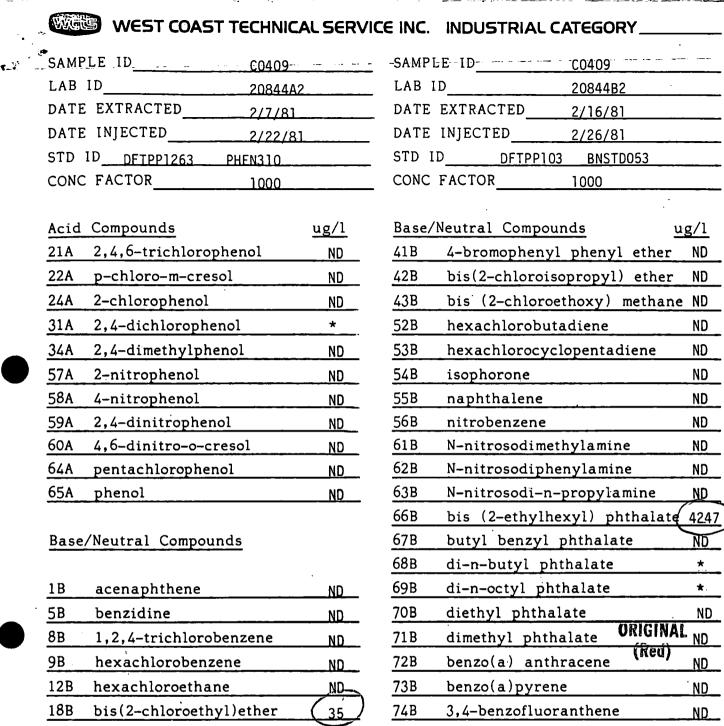
ND = Not detected

QC	Report	No:_	27		
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Sample Number METHOD BLANK

A. SURROGATE SPIKE RESULTS				
COMPOUND	Fraction	Conc.(ug/1)	(Surroga Spike Added (ug/1)	tes only) % Recovery
Benzene - d6	VOA	50	50	100
1-Chloro-2-Bromopropane	VOA	47	50	94
Toluene - d8	VOA	47	50	94
2-Fluorophenol	ACID	45	142	32
Phenol - d5	ACID	ND	103	<u> </u>
Nitrobenzene - d5	B/N	74	98	76
2-Fluorobiphenyl	B/N_	86	100 ·	86
Naphthalene-D8	B/N	70	102	69

				% Maximum Score Attained
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)
1.		UNKNOWN	ACID#57	NO GOOD FIT
2.		UNKNOWN	ACID#84	NO GOOD FIT
3.		UNKNOWN	ACID#105	NO GOOD FIT ORIGINAL
4.		UNKNOWN	ACID#114	NO GOOD FIT ' (Red)
5.		UNKNOWN	ACID#132	NO GOOD FIT
6.		UNKNOWN	ACID#143	NO GOOD FIT
7.		UNKNOWN	ACID#164	NO GOOD FIT
8.		UNKNOWN	ACID#158	NO GOOD FIT
9.		UNKNOWN	ACID#169	NO GOOD FIT
10.		UNKNOWN	ACID#189	NO GOOD FIT
11.				·
12.		<u> </u>		
13.	•		· · · · · · · · · · · · · · · · · · ·	<u> </u>
14.				
15.				
16.				
17.				
18.				
19.				
20.				



ND

ND

ND

ND__

ND

ND

ND.

ND ...

ND

75B

76B

77B

78B

79B

80B

81B

82B

83B

84B

129B

p-dioxin

benzo(k)fluoranthene

chrysene

anthracene

phenanthrene

fluorene

pyrene

acena'phthylene

benzo(ghi)perylene

dibenzo(a,h)anthracene

indeno(1,2,3-cd)pyrene

2,3,7,8-tetrachlorodibenzo-

ND_

ND.

ND

ND_

ND

ND

ND

ND

ND_

ND

Nn

20B

25B

26B

27B

28B

35B

36B

37B

39B

40B

2-chloronapthalene

1,2-dichlorobenzene

1,3-dichlorobenzene

1,4-dichlorobenzene

2,4-dinitrotoluene

2,6-dinitrotoluene

(as azobenzene)

fluoranthene

3,3'-dichlorobenzidine

1,2-diphenylhydrazine

4-chlorophenyl phenyl ether ND



.s _SAMP.	LE ID	
LAB	ID 20844V2	
DATE	INJECTED 2/9/81	
STD I	ID DFTPP1251 VOA115	
	. FACTOR	
Volat	iles	ug/l
<u>2V</u>	acrolein	ND
3V	acrylonitrile	ND
4V	benzene	ND
6V	carbon tetrachloride	ND
<u>7V</u>	chlorobenzene	ND_
10V	1,2-dichloroethane	ND
11 V	1,1,1-trichloroethane	*
13V	1,1-dichloroethane	ND.
14V	1,1,2-trichloroethane	ND
1 ⁵ V	1,1,2,2-tetrachloroethane	ND
16V	chloroethane	_ND
XXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX
19V	2-chloroethylvinyl ether	ND.
23V	chloroform	ND
29V	1,1-dichloroethylene	ND.
30V	1,2-trans-dichloroethylene	ND
32V	1,2-dichloropropane	ND.
33V	1,3-dichloropropylene	ND.
38V	ethylbenzene	ND.
44V	methylene chloride	36
45V	methyl chloride	ND
46V	methyl bromide	ND
47V	bromoform	ND
48V	dichlorobromomethane	ND
49V	trichlorofluoromethane	ND
50V	dichlorodifluoromethane	ND
51V	chlorodibromomethane	ND
85V	tetrachloroethylene	ND
86V	toluene	ND
87V	trichloroethylene	ND
88V	vinyl chloride	ND

-SAMPLE ID	C0409
LAB ID	20844 TRACE #221]
DATE EXTRACTED	2/6/81
DATE INJECTED	2/9/81
STD ID	TRACE_#2213
CONC. FACTOR	100

Pestic	ides		ug/l
89P	aldrin		_QN
90P	dieldrin		ND
91P	chlordane		ND
92P	4,4'-DDT		ND
93P	4,4'-DDE		ND
94P	4,4'-DDD		ND
95P	alpha-endosulfan		ND
96P	beta-endosulfan		ND
97P	endosulfan sulfate		ND
98P	endrin		ND
99P	endrin aldehyde		ND
100P	heptachlor		ND_
101P	heptachlor epoxide		ND_
102P	alpha-BHC		ND
103P	beta-BHC		ND_
104P	gamma-BHC %	ORIGINAL	ND
105P	delta-BHC	(Red)	ND
106P	PCB-1242		ND
107P	PCB-1254		ND
108P	PCB-1221		ND
109P	PCB-1232		ND
110P	PCB-1248		ND
111P	PCB-1260		ND
112P	PCB-1016		ND
113P	toxaphene		ND

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

** = Not confirmed by GCMS

QC	Report	No:	26	
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Sample Number CO409

A. SURROGATE SPIKE RESULTS						
COMPOUND	Fraction	Conc.(ug/l)	(Surroga Spike Added (ug/1)	tes only) Recovery		
Benzene - d6	VOA	57.	50	114		
1-Chloro-2-Bromopropane	VOA	53	50	106		
Toluene - d8	VOA	54	50	108		
2-Fluorophenol	ACID	25	142	18		
Phenol - d5	ACID	ND	103	θ		
Nitrobenzene - d5	B/N	64	98	65		
2-Fluorobiphenyl	B/N_	84	100	89		
Naphthalene-D8	B/N	74	102	73		

	B. TENTATIVELY IDENTIFIED COMPOUNDS					
				% Maximum Score Attained		
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)		
1.		UNKNOWN	V0A#43	NO GOOD FIT		
2.	. (METHYLCYCLOPENTANE	V0A#185	837		
3.		1,1'-OXYBIS-2-CHLORO-].)		
4.		ETHANE	V0A#383	917 ORIGINAL (Red)		
5.		UNKNOWN	ACID#61	NO GOOD FIT		
6.		UNKNOWN	ACID#107	NO GOOD FIT		
7.		UNKNOWN .	ACID#159	NO GOOD FIT		
8.		UNKNOWN	ACID#190	NO GOOD FIT		
9.		UNKŅOWN	ACID#213	NO GOOD FIT		
10.		DI-N-BUTYL PHTHALATE	ACID#253	917		
11.		BIS(2-ETHYLHEXYL)_				
12.		PHTHALATE	ACID#445	CONFIRMED		
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.		gr 304 ann 2004 agus 1804	F-1700 - 1 - 00 10 11 10 10 10 10 10 10 10 10 10 10			



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_____

SAMP	LE IDC0410		-SAMP-	LE-ID	
	ID20844A3			ID 20844B3	
	EXTRACTED 2/7/81		DATE	EXTRACTED 2/6/81	
DATE	INJECTED 2/23/81		DATE	INJECTED 2/26/81	
STD	IDDFTPP1264PHEN	311	STD I	D DFTPP103 BNSTD053	
CONC	FACTOR 1000		CONC	FACTOR 1000	
		•			•
Acid	Compounds	ug/l	Base/	Neutral Compounds u	<u>g/l</u>
21A	2,4,6-trichlorophenol	. ND	41B	4-bromophenyl phenyl ether	ND
22A	p-chloro-m-cresol	ND	42B	bis(2-chloroisopropyl) ether	ND
24A	2-chlorophenol	ND_	43B	bis (2-chloroethoxy) methane	ND
<u>31A</u>	2,4-dichlorophenol	ND_	52B	hexachlorobutadiene	ND
34A	2,4-dimethylphenol	ND	<u>53B</u>	hexachlorocyclopentadiene	ND
57A	2-nitrophenol	ND_	54B	isophorone	ND
58A	4-nitrophenol	ND	<u>55B</u>	naphthalene	ND
59A	2,4-dinitrophenol	ND	<u>56B</u>	nitrobenzene	ND
60A	4,6-dinitro-o-cresol	ND	61B	N-nitrosodimethylamine	ND
64A	pentachlorophenol	ND	62B	N-nitrosodiphenylamine	ND
65A	phenol	ND_	63B	N-nitrosodi-n-propylamine	ND_
			66B	bis (2-ethylhexyl) phthalate	17 -
Base	/Neutral Compounds		67B	butyl benzyl phthalate	ND
			68B	di-n-butyl phthalate	*
1B	acenaphthene	ND	69B	di-n-octyl phthalate	ND
5B	benzidine	ND	70B	diethyl phthalate onicinal	ND
8B	1,2,4-trichlorobenzene	ND_	<u>71B</u>	dimethyl phthalate (Red)	ND
9B	hexachlorobenzene	ND_	72B	benzo(a) anthracene	ND
12B	hexachloroethane	ND_	73B	benzo(a)pyrene	ND
18B	bis(2-chloroethyl)ether	- ND	74B	3,4-benzofluoranthene	ND_
20B	2-chloronapthalene	ND	75B	benzo(k)fluoranthene	ND
25B	1,2-dichlorobenzene	ND	76B	chrysene	ND
26B	1,3-dichlorobenzene	ND_	77B	acenaphthylene	ND
27B	1,4-dichlorobenzene	ND	78B	anthracene	ND_
28B	3,3'-dichlorobenzidine	ND	79B	benzo(ghi)perylene	ND_
35B	2,4-dinitrotoluene	ND_	80B	fluorene	ND
36B	2,6-dinitrotoluene	ND_	81B	phenanthrene	ND
37B	1,2-diphenylhydrazine		82B	dibenzo(a,h)anthracene	_ND_
	(as azobenzene)	ND_	83B_	indeno(1,2,3-cd)pyrene	ND
39B_	fluoranthene	. ND	84B	pyrene	ND
40B	4-chlorophenyl phenyl et	her ND	129B	2,3,7,8-tetrachlorodibenzo-	
			p-dio	xin	ND



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_

SAMPLE ID - CO410	SAMPLE ID	C0410
LAB ID	LAB ID	20844 TRACE #221
DATE INJECTED 2/9/81	DATE EXTRACTED_	2/6/81
STD ID DFTPP1251 .VOA115	DATE INJECTED	2/9/81
CONC. FACTOR	STD_ID	TRACE #2213
	CONC. FACTOR	100

Vola	tiles	ug/l
2V	acrolein	ND
3V	acrylonitrile	ND
4V	benzene	ND
<u>6V</u>	carbon tetrachloride	_ND
7V	chlorobenzene	ND
10V	1,2-dichloroethane	ND
11V	1,1,1-trichloroethane	*
13V	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND
15V	1,1,2,2-tetrachloroethane	ND
16V	chloroethane	ND
<u> </u>	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX
19V	2-chloroethylvinyl ether	ND
23V	chloroform	*
29V	1,1-dichloroethylene	ND
30V	1,2-trans-dichloroethylene	ND
32V	1,2-dichloropropane	ND.
33V	1,3-dichloropropylene	ND
<u>38V</u>	ethylbenzene	ND
44V	methylene chloride	(38
45V	methyl chloride	ND
46V	methyl bromide	ND
47V	bromoform	ND
48V	dichlorobromomethane	ND
49V	trichlorofluoromethane	ND
<u>50V</u>	dichlorodifluoromethane	ND
<u>51V</u>	chlorodibromomethane	ND
85V	tetrachloroethylene	ND
86V	toluene	ND
87V	trichloroethylene	ND
88V	vinyl chloride	ND

Pestic	ides		ug/l
89P	aldrin		ND_
90P	dieldrin		ND
91P	chlordane		ND
92P	4,4'-DDT		ND
93P	4,4'-DDE		ND
94P	4,4'-DDD		ND_
95P	alpha-endosulfan		2.0**
96P	beta-endosulfan		NO
97P	endosulfan sulfate		ND
98P	endrin		ND
99P	endrin aldehyde		ND
100P	heptachlor		ND
101P	heptachlor epoxide		ND
102P	alpha-BHC	·	ND_
103P	beta-BHC		ND
104P	gamma-BHC		ND_
105P	delta-BHC	ORIGINAL	ND
106P	PCB-1242	(Red)	ND
107P	PCB-1254		ND
108P	PCB-1221		ND
109P	PCB-1232		ND
110P.	PCB-1248		ND
111P	PCB-1260		ND
112P	PCB-1016		ND
113P	toxaphene		ND

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

** = Not confirmed by GCMS

WEST COAST TECHNICAL SERVICE INC. ORGANICS ANALYSIS DATA SHEET -- Page 3

QC	Report	No:	26	
•	•	_		

Sample Number CO410

A. SURROGATE SPIKE RESULTS						
COMPOUND Fraction Conc.(ug/1) Added (ug/1) Recov						
Benzene - d6	VOA	51	50	102		
1-Chloro-2-Bromopropane	VOA	47	50	94		
Toluene - d8	VOA	51	50	102		
2-Fluorophenol	ACID	3	142	2 -		
Phenol - d5	ACID	0	103	0		
Nitrobenzene - d5	B/N	53	98	54		
2-Fluorobiphenyl	B/N	67	100	67		
Naphthalene-D8	B/N	61	102	60		

	B. TENTATIVELY IDENTIFIED COMPOUNDS					
	% Maximum Score Attained			% Maximum Score Attained		
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT		
				(specify)		
1.		TETRAHYDROFURAN	VOA#116	998		
2.		1,1,2,2-TETRACHLORO-				
3.		ETHANE	ACID#59	995		
4.	(1,2,3-TRICHLOROPROPANE	ACID#51	961		
5.		UNKNOWN	B/N#275	NO GOOD FIT (Red)		
6.		UNKNOWN	B/N#370	NO GOOD FIT		
7.			<u> </u>			
8.						
9.						
10.				1		
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.	· · · · · · · · · · · · · · · · · · ·		·			
19.		· · · · · · · · · · · · · · · · · · ·				
20.						



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_

SAMPLE ID	C0415
LAB ID	20844A1 0
DATE EXTRACTED	2/7/81
DATE INJECTED	2/23/81
	64 PHEN312
CONC FACTOR	200

Acid	Compounds	ug/l
21A	2,4,6-trichlorophenol	ND
22A	p-chloro-m-cresol	ND
24A	2-chlorophenol	ND_
31A	2,4-dichlorophenol	ND_
34A	2,4-dimethylphenol	ND
57A	2-nitrophenol	ND_
58A	4-nitrophenol	ND_
59A	2,4-dinitrophenol	ND
60A	4,6-dinitro-o-cresol	. ND
64A	pentachlorophenol	ND_
65A	phenol	*

Base/Neutral Compounds

1B	acenaphthene			
5B	benzidine	ND.		
8B	1,2,4-trichlorobenzene	ND		
9B	hexachlorobenzene	ND		
12B	hexachloroethane	ND		
18B	bis(2-chloroethyl)ether	ND_		
20B	2-chloronapthalene	ND_		
25B	1,2-dichlorobenzene	*		
26B	1,3-dichlorobenzene	ND_		
27B	1,4-dichlorobenzene	14		
28B	3,3'-dichlorôbenzidine	ND		
35B	2,4-dinitrotoluene	ND_		
36B	2,6-dinitrotoluene	ND		
37B	1,2-diphenylhydrazine			
	(as azobenzene)	ND_		
39B	fluoranthene	_ND_		
40B	4-chlorophenyl phenyl ethe	r ND		
	·			

SAMPLE ID C0415	<u>-</u>
LAB ID 20844B10	
DATE EXTRACTED 2/6/81	•
DATE INJECTED 2/26/81	
STD ID	
CONC FACTOR 1000	
Aqueous leachote Emple, fine	• • • • •
Ease/Neutral Compounds	<u>g/1</u>
41B 4-bromophenyl phenyl ether	ND
42B bis(2-chloroisopropyl) ether	ND
43B bis (2-chloroethoxy) methane	ND
52B hexachlorobutadiene	ND ·
53B hexachlorocyclopentadiene	ND
54B isophorone	ND_
55B naphthalene OPICIMAL	ND_
56B nitrobenzene (Red)	ND_
61B N-nitrosodimethylamine	·ND
62B N-nitrosodiphenylamine	ND
63B N-nitrosodi-n-propylamine	ND
66B bis (2-ethylhexyl) phthalate	/
67B butyl benzyl phthalate	ND
68B di-n-butyl phthalate	* /
69B di-n-octyl phthalate	ND_
70B diethyl phthalate	_ND
71B dimethyl phthalate	*
72B benzo(a) anthracene	ND_
73B benzo(a)pyrene	ND_
74B 3,4-benzofluoranthene	ND_
75B benzo(k)fluoranthene	ND_
76B chrysene	ND_
77B acenaphthylene	ND_
78B anthracene	ND_
79B benzo(ghi)perylene	<u>ND</u>
80B fluorene	ND_
81B phenanthrene	ND
82B dibenzo(a,h)anthracene	
83B indeno(1,2,3-cd)pyrene	ND
84B pyrene	ND_
129B 2,3,7,8-tetrachlorodibenzo-	
p-dioxin	ND



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY

SAMPLE ID	C0415
LAB ID	20844V17
DATE INJECTED	2/13/81
STD ID DFTPP	1255 VOA118
CONC. FACTOR	

SAMPLE ID	C0415
LAB ID	20844 Trace #2230
DATE EXTRACTED	2/6/81
DATE INJECTED	2/10/81
STD ID	Trace #2229
CONC FACTOR	100

Volat	iles	ug/l
2V	acrolein	ND
3V	acrylonitrile	ND
4V	benzene	34
6V	carbon tetrachloride	ND
7V	chlorobenzene —? ?	(128)
10V	1,2-dichloroethane	ND
11V	1,1,1-trichloroethane	(26)
13V	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND
15V	1,1,2,2-tetrachloroethane	ND.
16V	chloroethane	ND
\$ \$\$\$	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX
19V	2-chloroethylvinyl ether	ND
23V	chloroform .	. ND
29V	1,1-dichloroethylene	<u>ON</u>
30V	1,2-trans-dichloroethylene	ND
32V	1,2-dichloropropane	_ND
33V	1,3-dichloropropylene	ND
. 38V	ethylbenzene "	85
44V	methylene chloride	37
45V	methyl chloride	ND
46V	methyl bromide	ND
47V	bromoform	ND
48V	dichlorobromomethane	ND
49V	trichlorofluoromethane	ND
50V	dichlorodifluoromethane	ND
<u>51V</u>	chlorodibromomethane	ND
85V	tetrachloroethylene	ND
86V	toluene	26
<u>87V</u>	trichloroethylene	ND
88V	vinyl chloride	ND

Pestic	ides	ug/l
89P	aldrin	ND
90P	dieldrin	ND
91P	chlordane	ND
92P	4,4'-DDT	ND
93P	4,4'-DDE	ND
94P	4,4'-DDD ORIGINAL	ND_
95P	alpha-endosulfan (Rod)	ND_
96P	beta-endosulfan	ND
97P	endosulfan sulfate	ND
98P	endrin	ND
99P	endrin aldehyde	ND
100P	heptachlor	ND
101P	heptachlor epoxide	ND_
102P	alpha-BHC	ND
103P	beta-BHC	ND
104P	gamma-BHC	<u>ND</u>
105P	delta-BHC	ND
106P	PCB-1242	ND
107P	PCB-1254	ND
108P	PCB-1221	ND
109P	PCB-1232	ND
110P	PCB-1248	· ND
111P	PCB-1260	ND
112P	PCB-1016	ND_
113P	toxaphene	ND_

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

** = Not confirmed by GCMS



WEST COAST TECHNICAL SERVICE INC. ORGANICS ANALYSIS DATA SHEET - Page 3

QC Report No: 27

Sample Number C0415

A. SURROGATE SPIKE RESULTS						
COMPOUND Fraction Conc.(ug/l) Added (ug/l)						
Benzene - d6	VOA	42	50	85		
1-Chloro-2-Bromopropane	VOA	42	50	83		
Toluene - d8	VOA	43	50	87		
2-Fluorophenol	ACID	38	142	27		
Phenol - d5	ACID	22	103	21		
Nitrobenzene - d5	B/N	103	98	105		
2-Fluorobiphenyl	B/N	95	100	95		
Naphthalene-D8	B/N	. 91	102	89		

			· ·	% Maximum Score Attained		
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify		
1.		UNKNOWN	VOA# 422	NO GOOD FIT		
2.		UNKNOWN	ACID#136	NO GOOD FIT ORIGINAL		
3.		UNKNOWN	ACID#158	NO GOOD FIT (Red)		
4.		UNKNOWN	ACID#200	NO GOOD FIT		
5.		UNKNOWN	ACID#223	NO GOOD FIT		
6.		UNKNOWN	ACID#251	NO GOOD FIT		
7.		UNKNOWN	ACID#442	NO GOOD FIT		
8.		UNKNOWN	B/N#20	NO GOOD FIT		
9.		UNKNOWN	B/N#46	NO GOOD FIT		
10.		UNKNOWN	B/N#65	' NO GOOD FIT		
11.		UNKNOWN	B/N#86	NO GOOD FIT		
12.		UNKNOWN	B/N#143	NO GOOD FIT		
13.		UNKNOWN	B/N#244	NO GOOD FIT		
14.		UNKNOWN	B/N#277	NO GOOD FIT		
15.	·	UNKNOWN	B/N#294	NO GOOD FIT		
16.		UNKNOWN	B/N#363	NO GOOD FIT		
17.		UNKNOWN	B/N#423	NO GOOD FIT		
18.						
19.						
20.	·					

🚅 [😂 🕒 WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_ SAMPLE ID_____ SAMPLE ID CO414 C0414 20844B9 LAB ID 20844A9 LAB ID DATE EXTRACTED 2/7/81 DATE EXTRACTED 2/6/81 DATE INJECTED 2/26/81 DATE INJECTED 2/23/81 STD ID DFTPP103 BNSTD053 STD ID DFTPP1264 PHEN312 CONC FACTOR 1000 200 CONC FACTOR Largener leachare comple, So, Lachare Tond ug/l Base/Neutral Compounds ug/l Acid Compounds ND 4-bromophenyl phenyl ether ND 2,4,6-trichlorophenol 21A bis(2-chloroisopropyl) ether ND 42B ND 22A p-chloro-m-cresol bis (2-chloroethoxy) methane ND ND 43B 24A 2-chlorophenol ND 52B hexachlorobutadiene ND 2.4-dichlorophenol 31A hexachlorocyclopentadiene ND . 53B ND 34A 2,4-dimethylphenol ND 54B isophorone ND 57A 2-nitrophenol 1471 ND · 55B naphthalene 4-nitrophenol 58A ORIGINAL nitrobenzene ND 56B ND 2.4-dinitrophenol 59A N-nitrosodimethylamine ND 61 B 60A 4,6-dinitro-o-cresol ND_ ND 62B N-nitrosodiphenylamine ND pentachlorophenol 64A ND N-nitrosodi-n-propylamine 63B ND 65A phenol bis (2-ethylhexyl) phthalate 66B butyl benzyl phthalate ND 67B Base/Neutral Compounds ND di-n-butyl phthalate 68B di-n-octyl phthalate ND_ 69B acenaphthene ND. ND diethyl phthalate 70B ND 5B benzidine dimethyl phthalate ND 71B 1,2,4-trichlorobenzene ND 8B benzo(a) anthracene ND 72B 9B hexachlorobenzene ND ND ND 73B benzo(a)pyrene_ 12B hexachloroethane ND 3,4-benzofluoranthene ND 74B bis(2-chloroethyl)ether 18B benzo(k)fluoranthene ND ND 75B 2-chloronapthalene 20B ND_ 76B chrysene ND 25B 1,2-dichlorobenzene acenaphthylene ND 77B ND 26B 1,3-dichlorobenzene 44->-(1) ND 78B anthracene 1.4-dichlorobenzene 27B

benzo(ghi)perylene

dibenzo(a,h)anthracene

indeno(1,2,3-cd)pyrene

2,3,7,8-tetrachlorodibenzo-

fluorene

pyrene

phenanthrene

79B

80B

81 B

82B

83B

84B

129B

p-dioxin

ND

ND ._

ND __

ND__

ND

3.3'-dichlorobenzidine

1,2-diphenylhydrazine

4-chlorophenyl phenyl ether ND

2,4-dinitrotoluene

2,6-dinitrotoluene

(as azobenzene)

fluoranthene

28B

35B

36B

39B

40B

ND

ND.

ND_

ND_

(1)-Coeluting Compounds

(44--,--(1)

WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_ * SAMPLE ID_____CO414 ____ SAMPLE ID____ CO414 LAB ID 20844 Trace # 2237 LAB ID 20844V11 & 20844V18 DATE EXTRACTED 2/6/81 DATE INJECTED 1/10/81 & 2/5/81 2/11/81 DATE INJECTED STD ID DFTPP1255/DFTPP1252 VOA118/VOA116 STD ID Trace # 2236 CONC. FACTOR 40 CONC. FACTOR ug/l Pesticides Volatiles ug/l 89P aldrin ND 2V acrolein ND . ND 90P dieldrin 3V acrylonitrile ND ND 91P chlordane 4V benzene ND ND 4,4'-DDT 92P 6V carbon tetrachloride ND ND 4,4'-DDE 93P 7V chlorobenzene ND ND 4,4'-DDD 94P 1,2-dichloroethane ND 10V ND 95P alpha-endosulfan 1,1,1-trichloroethane 11V ND ORIGINAL beta-endosulfan 96P 1,1-dichloroethane 13V ND endosulfan sülfate (Red) ND 97P 14V 1,1,2-trichloroethane ND ND 98P endrin 1,1,2,2-tetrachloroethane ND 15V ND 11 99P endrin aldehyde 16V chloroethane ND heptachlor 100P ND heptachlor epoxide 101P 2-chloroethylvinyl ether ND. 197 ND alpha-BHC 102P 23V chloroform ND ND beta-BHC 103P 1,1-dichloroethylene 29V ND gamma-BHC ND 104P 1,2-trans-dichloroethylene 30V ND ND delta-BHC 105P 1,2-dichloropropane 32V ND 106P ND PCB-1242 1,3-dichloropropylene 33V -MD 7883 ND_ 107P PCB-1254 38V ethylbenzene -108P PCB-1221 ND_ 38 methylene chloride 44V ND PCB-1232 109P 45V methyl chloride ND ND ND_ PCB-1248 110P **46V** methyl bromide ND ND 111P PCB-1260 47V bromoform ND. ND 112P PCB-1016 48V dichlorobromomethane ND ND 113P toxaphene trichlorofluoromethane 49V ND 50V dichlorodifluoromethane * = Less than 10 ug/l ND 51V chlorodibromomethane

ND

ND

ND

2363

85V

86V

87V

88V

tetrachloroethylene

trichloroethylene

vinyl chloride

toluene

(pesticides less than 5 ug/l)

** = Not confirmed by GCMS

ND = Not detected

WEST COAST TECHNICAL SERVICE INC. -ORGANICS - ANALYSIS -DATA-SHEET -- Page 3--

QC Report No: 27

Sample Number CO414

A. SURROGATE SPIKE RESULTS						
COMPOUND	Fraction	Conc.(ug/1)	(Surroga Spike Added (ug/1)	tes only) % Recovery		
Benzene - d6	VOA	40	50	80		
1-Chloro-2-Bromopropane	VOA	43	50	87		
Toluene - d8	VOA	43	50	85		
2-Fluorophenol	ACID	33	142	23		
Phenol - d5	ACID	30	103	29		
Nitrobenzene - d5	B/N	ND	98 00101	10 .		
2-Fluorobiphenyl	B/N	ND	100 (Re	0		
Naphthalene-D8	B/N	ND	102	0		

			T	% Maximum Score Attained
	: CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT
	UN3 11	00111 00110 7111112		(specify)
1.		UNKNOWN	VOA# 421	NO GOOD FIT
2.		UNKNOWN	ACID#47	NO GOOD FIT
3.		UNKNOWN	ACID# 53	NO GOOD FIT
4.		UNKNOWN	ACID#57	NO GOOD FIT
5.		UNKNOWŃ.	ACID#63	NO GOOD FIT
6.		UNKNOWN	ACID#82	NO GOOD FIT
7.		2-METHYLNAPHTHALENE	ACID#102	950
8.		DIMETHYL NAPHTHALENE	ACID#117	990
9.		DIMETHYL NAPHTHALENE	ACID#124	980
10.		ETHYLNAPHTHALENE	ACID#131	964
11.		TRIMETHYL NAPHTHALENE	ACID#145	938
12.		UNKNOWN	ACID#200	NO GOOD FIT
13.	.,	HYDROCARBON	B/N#20	GENERAL FIT
14.		HYDROCARBON	B/N#27	GENERAL FIT
15.		HYDROCARBON	B/N#40	GENERAL FIT '
16.		HYDROCARBON	B/N#50	GENERAL FIT
17.		HYDROCARBON	B/N#64	GENERAL FIT
18.		HYDROCARBON	B/N#78	GENERAL FIT
19.		HYDROCARBON	B/N#93	GENERAL FIT
20.			Ĺ	

CROSSIT	CC ANAL	V.C.T.C D.A.T.A	-CHEST	-Dava o -
URGANT	C2_ANAL	YSIS-DATA-	JUEE! -	raye

QC Report No:_	27
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Sample Number CO414 con't

A. SURROGATE SPIKE RESULTS				
COMPOUND	Fraction	Conc.(ug/1)	(Surroga Spike Added (ug/1)	tes only) % Recovery
Benzene - d6	VOA			
1-Chloro-2-Bromopropane	VOA			
Toluene - d8	VOA			
2-Fluorophenol	ACID			
Phenol - d5	ACID			
Nitrobenzene - d5	B/N		ORIGINAL	
2-Fluorobiphenyl	B/N		(Red)	
Naphthalene-D8	B/N	J	<u> </u>	L

		B. IENIAITVE	LI IDENIIFI	
				% Maximum Score Attained
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)
1.		HYDROCARBON	B/N#105	GENERAL FIT
2.		HYDROCARBON	B/N#132	GENERAL FIT
3.		HYDROCARBON	B/N#146	GENERAL FIT
r - 1				
4. 5.				
6.	·			
7.				
8.				
9.				<u> </u>
10.			,	
11.				
12.				
13.	•			
14.			ļ	
15.				
16.				
17.		•		
18.		•		
19.				
20.			l	

WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY SAMPLE ID_ C0412 LAB ID 20844A7 DATE EXTRACTED___ 2/7/81 DATE INJECTED____ 2/23/81___ STD ID DFTPP1264 PHEN311 CONC FACTOR 1000 ug/l Acid Compounds 21A 2,4,6-trichlorophenol ND_ 22A p-chloro-m-cresol ND

ND

ND

34A	2,4-dimethylphenol	ND_
57A	2-nitrophenol	ND
58A	4-nitrophenol	ND_
59A	2,4-dinitrophenol	ND
60A	4,6-dinitro-o-cresol	ND
64A	pentachlorophenol	ND
65A	phenol	14

Base/Neutral Compounds

24A 2-chlorophenol

31A 2,4-dichlorophenol

1B	acenaphthene	
5B	benzidine	ND_
8B	1,2,4-trichlorobenzene	ND_
9B	hexachlorobenzene	ND_
12B	hexachloroethane	ND
18B	bis(2-chloroethyl)ether	ND.
20B	2-chloronapthalene	ND
25B	1,2-dichlorobenzene	ND
26B	1,3-dichlorobenzene	ND
27B	1,4-dichlorobenzene	ND
28B	3,3'-dichlorobenzidine	ND
35B	2,4-dinitrotoluene	ND.
36B	2,6-dinitrotoluene	ND
37B	1,2-diphenylhydrazine	
	(as azobenzene)	ND
39B	fluoranthene	ND
40B	4-chlorophenyl phenyl ether	ND
	·	

SAMPLE ID	C0412
LAB ID	2084487
DATE EXTRACTED	2/6/81
DATE INJECTED	2/26/81
STD ID DFTPP103	BNSTD053
CONC FACTOR	1000

Base/N	Neutral Compounds us	<u>3/1</u>
41B	.4-bromophenyl phenyl ether	ND
42B	bis(2-chloroisopropyl) ether	ND
43B	bis (2-chloroethoxy) methane	ND
52B	hexachlorobutadiene	ND ·
53B	hexachlorocyclopentadiene	ND .
54B	isophorone	ND
55B	naphthalene: ORIGINAL	ND
56B	nitrobenzene (Red)	ND_
61B	N-nitrosodimethylamine	ND
62B	N-nitrosodiphenylamine	ND_
63B	N-nitrosodi-n-propylamine	ND
66B	bis (2-ethylhexyl) phthalate	ND
67B	butyl benzyl phthalate	ND
68B	di-n-butyl phthalate	*
69B	di-n-octyl phthalate	ND
70B	diethyl phthalate	ND_
71B	dimethyl phthalate	ND_
72B	benzo(a) anthracene	ND
73B	benzo(a)pyrene	ND
74B	3,4-benzofluoranthene	ND_
75B	benzo(k)fluoranthene	ND_
76B	chrysene	ND_
77B	acenaphthylene	ND
78B	anthracene	ND_
79B	benzo(ghi)perylene	ND_
80B	fluorene	ND_
81B	phenanthrene	ND_
82B	dibenzo(a,h)anthracene	ND
83B	indeno(1,2,3-cd)pyrene	ND
84B	pyrene	ND
129B	2,3,7,8-tetrachlorodibenzo-	•

p-dioxin

	_	
		•
N	1.4	: 1
		•
_	_	

457

46V

47V

<u>48</u>V

49V

50V

<u>5</u>1V

85V

86V

87V

88V

methyl chloride

methyl bromide

dichlorobromomethane

trichlorofluoromethane

chlorodibromomethane

tetrachloroethylene

trichloroethylene

vinyl chloride

dichlorodifluoromethane

bromoform

toluene

WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY

-SAMP	LE ID			
LAB				
DATE INJECTED 2/9/81				
STD	ID DFTPP1251 VOA115			
CONC	. FACTOR			
Volat	iles	ug/l		
2V	acrolein	ND		
3V	acrylonitrile	ND		
4V	benzene	ND		
6V	carbon tetrachloride	ND		
7V	chlorobenzene	ND		
10V	1,2-dichloroethane	ND_		
11 V	1,1,1-trichloroethane	*		
13V	1,1-dichloroethane	ND		
14V	1,1,2-trichloroethane	ND		
15V	1,1,2,2-tetrachloroethane	ND		
16V	chloroethane .	ND		
XXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXX		
19V	2-chloroethylvinyl ether	ND.		
23V	chloroform	ND		
29V	1,1-dichloroethylene	ND.		
<u>30V</u>	1,2-trans-dichloroethylene	ND		
32V	1,2-dichloropropane	*		
33V	1,3-dichloropropylene	ND.		
38V	ethylbenzene	NB		
44 V	methylene chloride	(38)		

SAMPLE ID	C0412
LAB ID	20844 TRACE #2223
DATE EXTRACTED	2/6/8]
DATE INJECTED	2/10/81
STD ID	TRACE #2222
CONC. FACTOR	50

Pestio	rides	ug/l
89P	aldrin	
90P	dieldrin	DM ND
91P	chlordane	ND
92P	4,4'-DDT	ND
93P	4,4'-DDE	ND
94P	4,4'-DDD	ND
95P	alpha-endosulfangniciNAI	70.3
96P	beta-endosulfan (Red)	ND ND
		ND
97P 98P	endosulfan sulfate	ND
	endrin aldahada	ND
99P	endrin aldehyde	
100P	heptachlor	ND ND
101P	heptachlor epoxide	ND ND
102P	alpha-BHC	ND_
103P	beta-BHC	ND
104P	gamma-BHC	<u>ND</u>
105P	delta-BHC	ND
106P	PCB-1242	ND
107P	PCB-1254	ND_
108P	PCB-1221	ND
109P	PCB-1232	ND.
110P	PCB-1248	ND
111P	PCB-1260	ДИ
112P	PCB-1016	. ND
113P	toxaphene	ND
* = L	ess than 10 ug/l	

(pesticides less than 5 ug/l)

ND = Not detected

ND ND

ND

ND

ИD

31

ND

ND

ND

ND

= Not confirmed by GCMS

QC	Report	No:	27		
•	•	_		 	

Sample Number CO412

	A. SURROGATE	SPIKE RESULTS		
COMPOUND	Fraction	Conc.(ug/1)	(Surroga Spike Added (ug/1)	tes only) % Recovery
Benzene - d6	VOA	48	50	96
1-Chloro-2-Bromopropane	VOA	46	50	92
Toluene - d8	VOA	47	50	94
2-Fluorophenol	ACID	58	1.42	41
Phenol - d5	ACID	28	103	27
Nitrobenzene - d5	B/N	72	98 ORIGI	
2-Fluorobiphenyl	B/N	83	100 (Re) ₈₃
Naphthalene-D8	B/N	74 -	102	73

		B. TENTATIVEL	1	% Maximum Score Attained
,	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)
1.		UNKNOWN	VOA# 45	NO GOOD FIT
2.		2-METHYLPROPANE	V OA# 61	917
3.		METHYLCYCLOPENTANE	VOA#186	907
4.		1,1,2,2-TETRACHLORO-		- John Committee of the
5.		ETHANE	ACID#58	1000
6.		2-METHYLPROPANOIC ACID	ACID#79	958
7.		UNKNOWN	ACID#98	NO GOOD FIT
8.		UNKNOWN-	ACID#119	NO GOOD FIT
9.	. /-	BENZOIC ACID	ACID#226	920
10.		BENZENE ACETIC ACID	ACID#251	971
11.		BENZENE PROPANOIC ACID	ACID#263	992
12.		UNKNOWN	ACID#298	NO GOOD FIT
13.		·		
14.				
15.				
16.				
17.				
18.				
19.				
20.				



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY

SAMPLE ID	C0411
LAB ID	20844A4
DATE EXTRACTED	2/7/81
DATE INJECTED	2/23/8]
STD ID DFTPP1264	PHEN311
CONC FACTOR	800
	

SAMPLE ID		C0411	
LAB ID		20844B5	·
DATE EXTRACT	ED	2/6/81	
DATE INJECTED)	2/26/81	
STD ID	DFTPP103	BNSTD053	
CONC FACTOR		800	

·ug/l

ND . ND

ND

ND_

ND_

ND

ND_

ND

ND

Acid	Compounds	<u>ug/1</u>
21A	2,4,6-trichlorophenol	ND
22A	p-chloro-m-cresol	ND
24A	2-chlorophenol	ND_
31A	2,4-dichlorophenol	ND
34A	2,4-dimethylphenol	ND
57A	2-nitrophenol	· ND
58A	4-nitrophenol	ND
59A	2,4-dinitrophenol	ND
60A	4,6-dinitro-o-cresol	ND
64A	pentachlorophenol	ND
65A	phenol	_ND_

Base/N	leutral Compounds	3/1
41B	4-bromophenyl phenyl ether	ND
42B	bis(2-chloroisopropyl) ether	ND
43B	bis (2-chloroethoxy) methane	ND
52B	hexachlorobutadiene	ND
53B	hexachlorocyclopentadiene	ND
54B	isophorone ORIGINAL	ND_
55B	naphthalene (Ked)	ND
56B	nitrobenzene	ND
61B	N-nitrosodimethylamine	ND
62B	N-nitrosodiphenylamine	ND
63B	N-nitrosodi-n-propylamine	ND
66B	bis (2-ethylhexyl) phthalate	ND
67B	butyl benzyl phthalate	ND
68B	di-n-butyl phthalate	*
69B	di-n-octyl phthalate	ND
70B	diethyl phthalate	ND
71B	dimethyl phthalate	ND

benzo(a) anthracene

3,4-benzofluoranthene

benzo(k)fluoranthene

benzo(a)pyrene

chrysene

72B

73B

74B

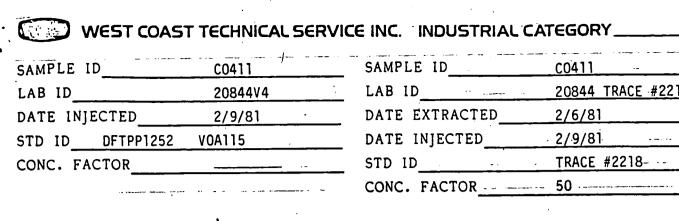
75B 76B

p-dioxin

Base/Neutral Compounds

	•	
1B	acenaphthene	ND
5B	benzidine	ND
8B	1,2,4-trichlorobenzene	ND
9B	hexachlorobenzene	ND_
12B	hexachloroethane	ND_
18B	bis(2-chloroethyl)ether	ND
20B	2-chloronapthalene	ND
25B	1,2-dichlorobenzene	ND
26B	1,3-dichlorobenzene	ND
27B	1,4-dichlorobenzene	ND
28B	3,3'-dichlorobenzidine	ND
35B	2,4-dinitrotoluene	ND_
36B	2,6-dinitrotoluene	ND
37B	1,2-diphenylhydrazine	
	(as azobenzene)	ND
39B	fluoranthene	ND_
40B	4-chlorophenyl phenyl ether	ND

77B	acenaphthylene	ND_
78B	anthracene .	ND
79B	benzo(ghi)perylene	ND_
80B	fluorene	ND
81 B	phenanthrene	ND_
82B	dibenzo(a,h)anthracene	ND_
83B	indeno(1,2,3-cd)pyrene	_ND_
84B	pyrene	ND
129B	2,3,7,8-tetrachlorodibenzo-	



SAMPLE ID	C0411
LAB ID	20844 TRACE #2217
DATE EXTRACTED	2/6/81
DATE INJECTED	2/9/81
STD ID	TRACE #2218
CONC. FACTOR	50

Vola	tiles	<u> ug/l</u>
2V	acrolein	ND
<u>-3.v</u>	acrylonitrile	<u>ND</u>
.4 V	benzene	ND
6V	carbon tetrachloride	ND
<u>7V</u>	chlorobenzene	ND
10V	1,2-dichloroethane	ND
11V	1,1,1-trichloroethane	*
13V.	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND
15V.	1,1,2,2-tetrachloroethane	ND
.16V	chloroethane	- <u>ND</u>
22XX	X X X X X X X X X X X X X X X X X X X	XXXXXX
19V	2-chloroethylvinyl ether	ND
23V	chloroform	ND
29V	1,1-dichloroethylene	
.30V	1,2-trans-dichloroethylene	: ND
32V_	1,2-dichloropropane	ND
	1,3-dichloropropylene	
38V	ethylbenzene	NΓ
44V	methylene chloride	37
45.V	methyl chloride	ND
46V_	methyl bromide	NC.
47V	bromoform	ŊC
4.8V.	_dichlorobromomethane	NC
49V.	trichlorofluoromethane	ND
50V	dichlorodifluoromethane	NC
<u>51V</u>	_chlorodibromomethane	NC
85V	tetrachloroethylene	NC
86V	toluene	N[
87V.	trichloroethylene	N[
88v	vinyl chloride	N[

Pesticides	<u>ug/l</u>
89Paldrin	ND
90P dieldrin	ND
91P chlordane	ND
92P 4,4'-DDT	ND
93P 4,4'-DDE	ND
94P. 4,4'-DDD.	ND
95P alpha-endosulfan ORIGINAL	2.4**
96P beta-endosulfan (KeG)	ND
	ND
98P - endrin	ND
99Pendrin aldehyde	- ND
100P heptachlor	ND
101P heptachlor epoxide	ND
102P alpha-BHC	ND
-103Pbeta-BHC	ND
104P gamma-BHC	ND
105Pdelta-BHC	ND
106P PCB-1242	ND
107P PCB-1254	ND
108P PCB-1221	ND
109P PCB-1232	ND
110P PCB-1248	ND
111P PCB-1260	- ND
112P PCB-1016	ND-
113P toxaphene	
* = Less_than 10-ug/l-	
(pesticides_less_than_5-ug/l)	
ND - Not detected	
** - Not confirmed by GCMS	 _

WEST COAST TECHNICAL SERVICE INC. ORGANICS ANALYSIS DATA SHEET - Page 3

QC Report No: 27

Sample Number CO411

A. SURROGATE SPIKE RESULTS							
COMPOUND	COMPOUND Fraction Conc.(ug/1)		(Surrogates only Spike % Added (ug/1) Recover				
Benzene - d6	VOA	48	50	96			
1-Chloro-2-Bromopropane	VOA	45	50	90			
Toluene - d8	· VOA	47	50	94			
2-Fluorophenol	ACID	84	142	59			
Phenol - d5	ACID	46	1030PIGIN	145			
Nitrobenzene - d5	B/N	72	98 (Red)	73			
2-Fluorobiphenyl	B/N	88	100	88			
Naphthalene-D8	B/N_	76	102	75			

		B. TENTATIVEL	1 IDLITITIO	
	CAS #	COMPOUND NAME	FRACTION	% Maximum Score Attained Mass Matching Routine: FIT (specify)
1.		UNKNOWN	VOA#46	NO GOOD FIT
2.		UNKNOWN	VOA#185	NO GOOD FIT
3.	(3,3,3-TRICHLORO-1-	grand to the state of the state	
4.		PROPENE	ACID#44	956)
5.		1,2,3-TRICHLOROPROPANE	ACID#54	944
6.		1,1,2,2-TETRACHLORO-		Section 15
7.		ETHANE	ACID#63	996
8.		UNKNOWN	ACID#193	NO GOOD FIT .
9.		UNKNOWN	B/N#40	NO GOOD FIT
10.		UNKNOWN	B/N#274	· NO GOOD FIT
11.	T			
12.	·			
13.		·		
14-			<u></u>	
15.				
16.				
17.				
18.				
19.				
20.			<u> </u>	

Sample No: COA	111_		
Lab Standard	ID:	20844A6	•

BNSTD053

U.S. ENVIRONMENTAL PROTECTION AGENCY HWI SAMPLE MANAGEMENT OFFICE

Lab Name:WEST	COAST	TECHNICAL	SERVICE,
Report No:	27		
Page 4	of _	5	

ORIGINAL (Red)

QUALITY CONTROL REPORT A. MATRIX SPIKE ANALYSIS

MPC	DUND	(in	cluding surrogates)		CONCENTRATION (u	g/l)	
P. # COMPOUND NAME		Sample Result (SR)	Spiked Sample Result (SSR)	Spike Added (SA)	% Recovery		
			PENTACHLOROPHENOL	ND	24	50	48
li			P-CHLORO-M-CRESOL	ND	12	50	24
			PHENOL	ND	17	_. 50	34
			2-CHLOROPHENOL	. ND	31	53	58
		1 .	4-NITROPHENOL	ND	958	503	1.90
		:					
2	7	В	1,4-DICHLOROBENZENE	ND	32	50	64
6	3	В	N-NITROSO-di-n-PROPYLAM INE	ND	7	50	14
i	8	В	1,2,4-TRICHLOROBENZENE	ND:	37	50	74
	1	В	ACENAPHTHENE	ND .	ND	50	0
3	6	В	2,6-DINITROTOLUENE	ND	57	50	114
6	8	В	DI-N-BUTYLPHTHALATE	3	8	50	10 -
8	4	В	PYRENE	ND .	1	50	2
+	-	 					
11	1						
			·	·			
1:	_			·			
1		<u> </u>					

This QC Report also covers the following sample numbers: CO411-CO416, BO355-BO367, YO313

(SSR-SR) $_{\rm X}$ 100 * Recovery = (SA)

Sample No: C	0411 1D: 20844 A5 BNSTD053
Lab Standard	1D: 20844 A5 BNSTD053

U.S. ENVIRONMENTAL PROTECTION AGENCY HWI SAMPLE MANAGEMENT OFFICE

.ab	Name: WE	ST	COAST	TECHNICAL	SERVICE,	$\cdot 1$
epo	rt No:	27				
age	: 5		of	. 5		Ī

ORIGINAL (Red)

QUALITY CONTROL REPORT B. DUPLICATE ANALYSIS

OMPO	UND	(in	cluding surrogates)	CONCENTRATI	ON (ug/1)	Relative Percent
Р. Р.		, -	COMPOUND NAME	Aliquot 1 (D ₁)	Aliquot 2 (D ₂)	Difference (RPD)*
	1	[- l	2-FLOROPHENOL	84	87	4
			PHENOL D5	46	43	7
	- -			<u> </u>		
6	8	В	DI-N-BUTYL PHTHALATE	4	4	9
			NITROBENZENE D5	72	70	3
	- 		2-FLUOROBIPHENYL	88	85	3
			NAPHTHALENE D8	76	75	11
+						
		-				· · · · · · · · · · · · · · · · · · ·
+	+	-	·			
1				•		
	1	_				
	-	_		· · · · · · · · · · · · · · · · · · ·		
	+	-				
-	+					
+	\top					

This QC Report also covers the following sample numbers:

CO411-CO416, BO355-BO367, YO313

*RPD =
$$\frac{(D_1 - D_2)}{(D_1 + D_2)/2} \times 100$$

alli	He	NO:	C94	12			
ab	Sta	ndai	rd I	D:	DFTPP1251	VOA115	

U.S. ENVIKUNMENTAL PROTECTION AGENCY HWI SAMPLE MANAGEMENT OFFICE

Lab Name:	11 C 11	CUASI	TEUHNTUÄL	SERVICE.,
Report No	: 27			
Page4		_ of _	5_	•

MIGINAL (Red)

QUALITY CONTROL REPORT A. MATRIX SPIKE ANALYSIS

	÷				· · · · · · · · · · · · · · · · · · ·	CONCENTRATION (u		
COMPOUND (including surrogates)								
Ρ.	Р.	#		COMPOUND NAME	Sample Result (SR)	Spiked Sample Result (SSR)	Spike Added (SA)	% Recovery*
	5	0	٧	DICHLORODIFLUORO METHANE	31	28		
	4	4	V	METHYLENE CHLORIDE	38	36		
	1	1	V	1,1,1-TRICHLOROETHANE	3 .	2		
	3	2	V	1,2-DICHLOROPROPANE	. 3	3		
		4	V	BENZENE	ND	36	25	144
				TOLUENE	4	34	25	120
		7	V	CHLOROBENZENE	ND	30	25	120
	İ			BENZENE D6	48	54	50	102
				1 -CHLORO-2-BROMOPROPANE	46	49	50	95
	1			TOLUENE D8	47 .	50	50	97
								•
1	0	0	P	HEPTACHLOR	ND	2.8	4.9	57
	8	9	Р	ALDRIN	ND	2.3	5.0	45
	9	ı	P	DIELDRIN	ND •	2.9	5.0	58
	وٰ	2	Р	4,4'-DDT	ND	3.5	4.6	75
		<u> </u>			•			
	1							******
_	•		+					

This QC Report also covers the following sample numbers:

CO411-CO416, BO355-BO367, YO313

* Recovery = $\frac{(SSR-SR)}{(SA)} \times 100$

Sam	ple	No: c	0412				
Lab	Sta	indard	1D:	DFTPP1	251	VOA1 1	5

U.S. ENVIRONMENTAL PROTECTION AGENCY HWI SAMPLE MANAGEMENT OFFICE

Lab Nam	ne:WEST	COAST	TECHNICAL	SERVICE,	Ιf
Report	No:	27			
Page	5	of	5		

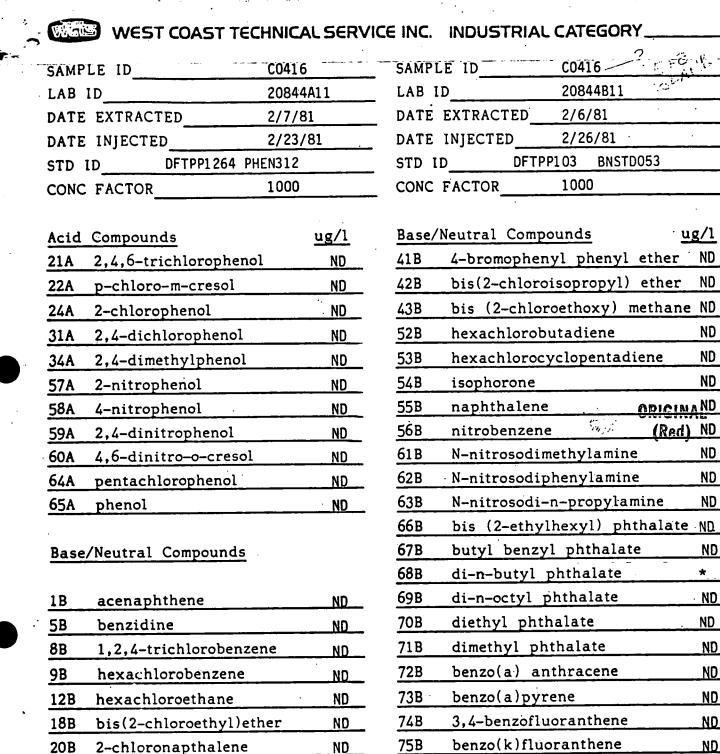
Original (Red)

QUALITY CONTROL REPORT B. DUPLICATE ANALYSIS

ŌΜĨ	POU	IND	(in	cluding surrogates)	CONCENTRATIO	ON (ug/1)	Relative Percent	
	Ρ.			COMPOUND NAME	Aliquot 1 (D ₁)	Aliquot 2 (D ₂)	Difference (RPD)*	
T	¦ 5	lol	v	DICHLOROD IFLU OROMETHANE	31	30	3	
	4	4	v	METHYLENE CHLORIDE	38	37	3	
1	<u>'</u>	$\frac{1}{1}$		1,1,1-TRICHLOROETHANE	3	2	56	
1	-	2		1,2-DICHLOROPROPANE	3	3	0	
7	y 		-	TOLUENE	4	4	0	
+	\dagger			BENZENE D6	48	50	4	
†	-	1-1		1-CHLORO-2-BROMOPROPANE	46	47	2	
+	 		 i	TOLUENE D8	47	48	2	
+								
\dagger	9	5	P	ALPHA-ENDOSULFAN	0.3	0.2	40	
†								
†	T	1-1						
†	-	1-1						
†	-	\Box			•			
†	1	1		will we can be training to the training to the control of the cont				
\dagger		╁					·	
\dagger	Ť	\vdash			•			
\dagger	!					·		
\dagger	Í	H				:		
+		╂┤						

This QC Report also covers the following sample numbers: CO411-CO416; BO355-BO367; YO313

*RPD =
$$\frac{(D_1 - D_2)}{(D_1 + D_2)/2} \times 100$$



76B

77B

78B

79B

80B

81B

82B

83B

84B

p-dioxin

ND

ND

ND

ND

ND

ND

ND_

ND

25B

26B

27B

28B

35B

36B

39B

1.2-dichlorobenzene

1,3-dichlorobenzene

1.4-dichlorobenzene

2,4-dinitrotoluene

2,6-dinitrotoluene

(as azobenzene)

fluoranthene

3.3'-dichlorobenzidine

1,2-diphenylhydrazine

4-chlorophenyl phenyl ether ND

chrysene

anthracene

phenanthrene

fluorene

pyrene

acenaphthylene

benzo(ghi)perylene

dibenzo(a,h)anthracene

indeno(1,2,3-cd)pyrene

2,3,7,8-tetrachlorodibenzo-

ND

ND

ND .

ND

ND:

ND

ND .

ND

ND

ND_

ND_

ND_

ND

ND

ND...

ND

ND

*



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_

SAMPLE IDCO416	SAMPLE IDCO416
LAB ID 20844V16	LAB ID 20844 Trace #2231
DATE INJECTED 2/13/81	DATE EXTRACTED 2/6/81
STD ID DFTPP1255 VOA118	DATE INJECTED 2/10/81
CONC. FACTOR	STD ID Trace #2229
	CONC. FACTOR 100

Volat	iles	ug/l
<u>2V</u>	acrolein	ND_
<u>3V</u>	acrylonitrile	ND
<u>4V</u>	benzene	ND
6V	carbon tetrachloride	ND
<u>7</u> V	chlorobenzene	ND
10V	1,2-dichloroethane	ND
11V	1,1,1-trichloroethane	· *
13V	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND
15V	1,1,2,2-tetrachloroethane	ND.
16V	chloroethane	ND
XXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX
19V	2-chloroethylvinyl ether	ND.
23V	chloroform	(21)
29V	1,1-dichloroethylene	ND
30V	1,2-trans-dichloroethylene	_ ND
32V	1,2-dichloropropane	מא
33V	1,3-dichloropropylene	מא
38V	ethylbenzene	_ND
44V	methylene chloride	35
45V	methyl chloride	ND
46V	methyl bromide	ND
47V	bromoform	ND
48V .	dichlorobromomethane	ND
49V	trichlorofluoromethane	ND
50V	dichlorodifluoromethane	ND
51V	chlorodibromomethane	ND
85V	tetrachloroethylene	ND
86V	toluene	*
87V	trichloroethylene	ND
88v	vinyl chloride	ND

Pestic	rides	ug/l
89P	aldrin	ND
90P	dieldrin	ND
91P	chlordane	ND
92P	4,4'-DDT WRIGHAL	ND
93P	4,4'-DDE (ned)	ND
94P	4,4'-DDD	ND
95P	alpha-endosulfan	ND
96P	beta-endosulfan	ND_
97P	endosulfan sulfate	ND
98P	endrin	. ND
99P	endrin aldehyde	ND
100P ·	heptachlor	ND
101P	heptachlor epoxide	ND
102P	alpha-BHC	ND
103P	beta-BHC	ND
104P	gamma-BHC	ND
105P	delta-BHC	ND
106P	PCB-1242	ND
107P	PCB-1254	ND_
108P	PCB-1221	ПD
109P	PCB-1232	ND_
110P	PCB-1248	ND
111P	PCB-1260	ND
112P	PCB-1016	ND.
113P	toxaphene	ND
	•	

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

** = Not confirmed by GCMS



WEST COAST TECHNICAL SERVICE INC. ORGANICS ANALYSIS DATA SHEET - Page 3____

QC Report No: 27

Sample Number CO416

A. SURROGATE SPIKE RESULTS						
COMPOUND	Fraction	Conc.(ug/l)	(Surroga Spike Added (ug/1)	tes only) % Recovery		
Benzene - d6	VOA	49	50	97		
1-Chloro-2-Bromopropane	VOA	47	50	94		
Toluene - d8	VOA	46	50	92		
2-Fluorophenol	ACID	97	142	68		
Phenol - d5	ACID	ND	103	0		
Nitrobenzene - d5	B/N	78	98	80		
2-Fluorobiphenyl	B/N	89	100	89		
Naphthalene-D8	B/N	38	102	37		

				% Maximum Score Attained
· ·	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify
	# · · · · ·	UNKNOWN	V0A#445	NO GOOD FIT
2.		UNKNOWN	ACID#86	NO GOOD FIT ORIGINAL
3.		UNKNOWN	ACID#106	NO GOOD FIT (Red)
ī		UNKNOWN	ACID#132	NO GOOD FIT
j.		UNKNOWN	ACID#187	NO GOOD FIT
5.		UNKNOWN	B/N#64	NO GOOD FIT
7.		UNKNOWN	B/N#95	NO GOOD FIT
3.		3,3,3-TRICHLORO-1-		·
·		PROPENE	B/N#40	912
ιο.		UNKNOWN	B/N#173	' NO GOOD FIT
1.		UNKNOWN	B/N#212	NO GOOD FIT
2.		UNKNOWN	B/N#267	NO GOOD FIT
3.		UNKNOWN	B/N#304	NO GOOD FIT
4.		UNKNOWN	B/N#434	NO GOOD FIT
5.				
16.				
7.				
١8.				
9.				
20.				



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_____

-SAMP-	LE ID		-SAMPI	E-ID	
	ID20844A1			D 20844B1	
	EXTRACTED 2/7/81			EXTRACTED 2/16/81	•
DATE	INJECTED 2/22/81			INJECTED 2/26/81	
	D DFTPP1263 PHEN310			D DFTPP103 BNSTD053	
	FACTOR 1000			FACTOR 1000	
Acid	Compounds	ug/l	Base/	Neutral Compounds u	g/l
21A	2,4,6-trichlorophenol	ND	41B	4-bromophenyl phenyl ether	ND
22A	p-chloro-m-cresol	ND	42B	bis(2-chloroisopropyl) ether	ND
24A	2-chlorophenol	ND	43B	bis (2-chloroethoxy) methane	ND
31A	2,4-dichlorophenol	ND	52B	hexachlorobutadiene	ND
34A	2,4-dimethylphenol	ND	53B	hexachlorocyclopentadiene	ND
57A	2-nitrophenol	ND	54B	isophorone	ND
58A	4-nitrophenol	ND	55B	naphthalenega APIGINAI	ND
59A	2,4-dinitrophenol	ND	56B	nitrobenzene (Red)	ND
60A	4,6-dinitro-o-cresol	ND	61B	N-nitrosodimethylamine	ND
64A	pentachlorophenol	ND	62B	N-nitrosodiphenylamine	ND.
65A	phenol	ND	63B	N-nitrosodi-n-propylamine	ND
,			66B	bis (2-ethylhexyl) phthalate	Ν <u>Ď</u>
Base	Neutral Compounds	•	67B	butyl benzyl phthalate	ŅD
			68B	di-n-butyl phthalate	ND
1B.	acenaphthene	ND	69B	di-n-octyl phthalate	ND
5B	benzidine	ND	70B	diethyl phthalate	ND
8B	1,2,4-trichlorobenzene	ND	71B	dimethyl phthalate	ND
· 9B	hexachlorobenzene	ND	72B	benzo(a) anthracene	ND
12B	hexachloroethane	ND	73B	benzo(a)pyrene	ND_
18B	bis(2-chloroethyl)ether	ND	74B	3,4-benzofluoranthene	ND
20B	2-chloronapthalene	ND	75B	benzo(k)fluoranthene	ND.
25B	1,2-dichlorobenzene	ND_	76B	chrysene	ND
26B	1,3-dichlorobenzene	ND	77B	acenaphthylene	ND
27B	1,4-dichlorobenzene	<u>ND</u>	78B	anthracene	ND_
28B	3,3'-dichlorobenzidine	ND_	`79B	benzo(ghi)perylene	ND
35B	2,4-dinitrotoluene	ND	80B	fluorene	_ND_
36B	2,6-dinitrotoluene	ND	81B	phenanthrene	ND.
37B	1,2-diphenylhydrazine		82B	dibenzo(a,h)anthracene	ND
	(as azobenzene)	ND_	83B	indeno(1,2,3-cd)pyrene	ND_
<u>39B</u>	fluoranthene	ND_	84B	pyrene	ND_
40B	4-chlorophenyl phenyl etho	er ND	129B	2,3,7,8-tetrachlorodibenzo-	
			p-dio	xin	Nn



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_

SAMPLE ID	C0408	SAMPLE-ID	
LAB ID	20448V1	LAB ID	20844 TRACE #2210
DATE INJECTED_	2/9/81	DATE EXTRACTED	2/6/81
STD ID DFTPI	P1251 VOA115	DATE INJECTED_	2/9/81
CONC. FACTOR		STD ID	TRACE #2213
		CONC. FACTOR	100

Vola	tiles	ug/l
2V	acrolein	ND
3V	acrylonitrile	ND
4V	benzene	ND
6V	carbon tetrachloride	ND
7V	chlorobenzene	ND
10V	1,2-dichloroethane	ND
11V	1,1,1-trichloroethane	*
13V	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND
15V	1,1,2,2-tetrachloroethane	ND
16V	chloroethane	ND
XXXX	X X X X X X X X X X X X X X X X X X X	
19V	2-chloroethylvinyl ether	ND
23V	chloroform	*
29V	1,1-dichloroethylene	DN_
30V	1,2-trans-dichloroethylene	ND
32V	1,2-dichloropropane	ND.
33V	1,3-dichloropropylene	ND
38V	ethylbenzene	ND
44V	methylene chloride	38
45V	methyl chloride	ND
46V	methyl bromide	ND
47V	bromoform	ND
48V	dichlorobromomethane	ND
49V	trichlorofluoromethane	- ND
<u>50V</u>	dichlorodifluoromethane	ND
51 V	chlorodibromomethane	ND
<u>85V</u>	tetrachloroethylene	ND
86V	toluene	*
87V	trichloroethylene	ND
88V	vinyl chloride	ND

Pesti	cides	ug/l
89P	aldrin	מא
90P	dieldrin	ND
91P	chlordane	ND
92P	4,4'-DDT	ND
93P	4,4'-DDE	ND
94P	4,4'-DDD	ND
95P	alpha-endosulfan	ND
96P	beta-endosulfan	ND
<u>97P</u>	endosulfan sulfate	ND
98P	endrin	ND_
99P	endrin aldehyde	ND
100P	heptachlor	ND
101P	heptachlor epoxide	ND .
102P	alpha-BHC	ND_
103P	beta-BHC	ND
104P	gamma-BHC	ND
105P	delta-BHC	ND
106P	PCB-1242	<u>ND</u>
107P	PCB-1254	ND
108P	PCB-1221	ND
109P	PCB-1232	ND
110P	PCB-1248	ND
111P	PCB-1260	ND
112P	PCB-1016	ND
113P	toxaphene	<u>ND</u>

* = Less than 10 ug/l
 (pesticides less than 5 ug/l)

ND = Not detected

** = Not confirmed by GCMS

QC Report No: 26

Sample Number C0408

A. SURROGATE SPIKE RESULTS					
COMPOUND	Fraction	Conc.(ug/1)	(Surroga Spike Added (ug/1)	tes only) % Recovery	
Benzene - d6	VOA	59	50	118	
1-Chloro-2-Bromopropane	VOA	55	50	110	
Toluene - d8	VOA	· 57	50	114	
2-Fluorophenol	ACID	8	142	6	
Phenol - d5	ACID	2	103	. 5	
Nitrobenzene - d5	B/N	65	98	66	
2-Fluorobiphenyl	B/N	88	100	88	
Naphthalene-D8	B/N	64	102	63	

B. TENTATIVELY IDENTIFIED COMPOUNUS					
	:			% Maximum Score Attained	
	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT (specify)	
1.		UNKNOWN	VOA #187	NO GOOD FIT	
2.		UNKNOWN	ACID #60	NO GOOD FIT	
3.		UNKNOWN	ACID #73	NO GOOD FIT ORIGINAL	
4.		UNKNOWN	ACID #87	NO GOOD FIT (Red)	
5.		UNKNOWN	ACID #107	NO GOOD FIT	
6.		UNKNOWN	ACID #133	NO GOOD FIT	
7.		UNKNOWN	ACID #144	NO GOOD FIT	
8.		UNKNOWN	ACID #159	NO GOOD FIT	
9.		UNKNOWN	ACID #165	NO GOOD FIT	
10.		UNKNOWN	ACID #170	' NO GOOD FIT	
11.		UNKNOWN	ACID #190	NO GOOD FIT	
12.		3,3,3-TRICHLORO-1-PRO-			
13.	(PENE	B/N #44	866	
14.		UNKNOWN	B/N #273	NO GOOD FIT	
15.					
16.					
17.					
18.					
19.					
20.					

Sample No: F0434
Lab Standard ID: DFTPP1250 VOATT3

DFTPP1258 PHEN308 U. ENVIRONMENTAL PROTECTION AGENCY
TWI SAMPLE MANAGEMENT OFFICE

Lab Name: WEST	COAST	TECHNICAL	SERVICE,
Report No:	26		;
Page 4	of	5	_ ,

QUALITY CONTROL REPORT A. MATRIX SPIKE ANALYSIS

OMP(DUND) (ir	cluding surrogates)		CONCENTRATION (u	19/1)	1
. P.	. #	! .	COMPOUND NAME	Sample Result (SR)	Spiked Sample Result (SSR)	Spike Added (SA)	% Recovery
4	4	V	METHYLENE CHLORIDE	34	35	0	-
2	3	V	CHLOROFORM .	2	2	0	-
<u> </u>	1	V	1,1,1-TRICHLOROETHANE	3	2	0	
8	5	٧	TETRACHLOROETHYLENE	. 2	2	0	-
	<u> </u>		BENZENE D6	54	54	50	108
			1-CHLORO-2-BROMOPROPANE	51	51	50	102
-	ļ		TOLUENE-D8	. 55	56	50	111
	4	<u> </u>	BENZENE	ND	31	25	124
<u> </u>			TOLUENE	ND	30	25	120
1	7	٧	CHLOROBENZENE	ND ·	31	25	124
-			2-FLUOROPHENOL	27	80	142	38
-	:		PHENOL - D5	ND	ND	103	0
6	4	Α	PENTACHLOROPHENOL	ND	35	50	70
2	2	Α	P-CHLORO-M-CRESOL	ND	ND	. 50	0
6	5	Α	PHENOL	ND	ND	. 50	0
2	4	A	2-CHLOROPHENOL	5	30	53	47
<u> </u> -			4-NITROPHENOL	ND	1463	503	291
			(Re				
			4-NITROPHENOL RG				
							

This QC Report also covers the following sample numbers: Z0008-Z0009, F0433-F0441, Z0011-Z0016, C0408-C0410

^{*} Recovery = $\frac{(SSR-SR)}{(SA)} \times 100$

Sample No:	F0434QC
Lab Standard ID:	20797B4
•	

ENVIRONMENTAL PROTECTION AGENT
HWI SAMPLE MANAGEMENT OFFICE

Lab Name:WEST	COAST	TECHNICAL	SERVICE
Report No:	26		
Page <u>4</u>	of _	5	·

DFTPP1266 BNSTD363

QUALITY CONTROL REPORT A. MATRIX SPIKE ANALYSIS

COMP	JUNC) (ir	ncluding surrogates)		CONCENTRATION (u	ua /1 \	
P. P			COMPOUND NAME	Sample Result (SR)	Spiked Sample Result (SSR)	Spike Added (SA)	% Recovery*
2	7	В	1,4-DICHLOROBENZENE	0	42	50	84
	8	В	1,2,4,-TRICHLOROBENZENE	2	41	50	78
- -	1	В	ACENAPHTHENE	0	32	50	64
3		В	2,6-DINITROTOLUENE	. 0	50	50	100
6		В	DI-N-BUTYLPHTHALATE	3	26	50	46
8		В	PYRENE	0	20	50	40
6	3	В	N-NITROSO-DI-N-PROPYLAMINE	0	0	50	0
			NITROBENZENE D-5	84	36	98	87
 			2-FLUOROBIPHENYL	104	105	100	105
 	ļ	ļ	NAPHTHALENE D-8	131	135	102	130
 		-					
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-				· · · · · · · · · · · · · · · · · · ·		· .	
		-	0				
			ORIGINAL (Red)				
-			<u> </u>				
·				-			
					<u> </u>	<u> </u>	i

This QC Report also covers the following sample numbers: Z0008-Z0009, F0433-F0441, Z0011-Z0016, C0408-C 0410

* Recovery = $\frac{(SSR-SR)}{(SA)} \times 100$

Sample No:	F0434 Duplicate
Lab Standard	ID: 20797B3
·	DFTPP1266 .
	BNSTD363

U.S.	/IRONMEN	NTAL	PROTECT	ION	AGENCY
HW I	SAMPLE	MANA	AGEMENT	OFF:	CE

Lab Name	:WEST	COAST	TECHNICAL	SERVICE,	IN.
Report N	o:		26	.1.	
Page	5	of	5		<i>,</i> • .

OUALITY CONTROL REPORT B. DUPLICATE ANALYSIS

OMPOI	IND	Tin	cluding surrogates)		CONCENTRATI	ON (ug/1)	1 Relative Percent
P. P.		(111	COMPOUND NAME		Aliquot 1 (D ₁)	Aliquot 2 (D ₂)	Difference (RPD)*
	8	В	1,2,4-TRICHLOROBENZENE		2	2	0
7	0	В	DIETHYLPHTHALATE		1	. 0	200
6	8	В	DI-N-BUTYLPHTHALATE		3	2	40
6	6	В	BIS(2 ETHYLHEXYL)PHTHALATE		6	3	67
			NITROBENZENE D-5		84	86	2
			2-FLUOROBIPHENYL		104	98	6
			NAPHTHALENE D-8		131	119	10
			·				
					·		
1.				****			
1					·		
				<u> </u>			
				ORIGINAL (Red)	***		
+		 					
	-						
	<u> </u>	<u> </u>					

This QC Report also covers the following sample numbers: Z0008-Z0009, Z0011-Z0016, C0408-C0410

F0433-F0441

*RPD =
$$\frac{(D_1 - D_2)}{(D_1 + D_2)/2} \times 100$$

Sample No:		F0434
Lab Standard	ID:	VOA113
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DFTPP1258 - PHEN308

U.S.	VIRONMENTA	L PROTEC	TION	AGENCY
HWI	SAMPLE MA	NAGEMENT	OFF:	CE

Page	5	of	5	
Report	No:	_	26	
Lab Nan	ne:WEST	COAST	TECHNICAL	SERVICE,

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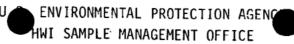
OUALITY CONTROL REPORT B. DUPLICATE ANALYSIS

COM	חסוו	ND	Tin	aluding supposatos	J CONCENTRATI	ON (ug/1)	1 Relative Percent
P.			Lin	cluding surrogates) COMPOUND NAME	Aliquot 1 (D ₁)	Aliquot 2 (D ₂)	Difference (RPD)*
П	4	4	٧	METHYLENE CHLORIDE	34	35	3
П	2	3	٧	CHLOROFORM	2	13	147
П	1	ı	٧	1,1,1-TRICHLOROETHANE	3	3	0
	8	5	٧	TETRACHLOROETHYLENE	2	2	0
П				BENZENE-D6	· 54	49	9
				1-CHLORO-2-BROMOPROPANE	51	48	6
\Box				TOLUENE-D8	55	52	5
П				2-FLUOROPHENOL	27	21	25
\sqcap	3	1	Α	2,4-DICHLOROPHENOL	5	9	57
\Box							
\Box							
\Box							
							,
				. 0			·
\Box				TR G			
1		H		OFIGINAI (Red)			
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		<u> </u>					

This QC Report also covers the following sample numbers: Z0008, Z0009, F0433-F0441, Z0011-Z0016,C0408-C0410

*RPD =
$$\frac{(D_1 - D_2)}{(D_1 + D_2)/2} \times 100$$

Sam	ole No:	1	F0435	QC			ι
Lab	Standard	ID:	Trace	#2202,	2204.	2201	



ab Name:₩EST	COAST	TECHNICAL	SERVICE,
Report No:	26		
age4	of	5	

QUALITY CONTROL REPORT A. MATRIX SPIKE ANALYSIS

COMP	OUNI) (ir	ncluding surrogates)		LCONCENTRATION /		
P. P			COMPOUND NAME	Sample Result (SR)	CONCENTRATION (u Spiked Sample Result (SSR)	Spike Added (SA)	% Recovery*
1 0	0	P	HEPTACHLOR	0	3.7	4.9	75%
8	9	P	ALDRIN	0	3.8	5.0	75
9	0	P	DIELDRIN	0	4.4	5.0	. 88
9	2	P	4,4'-DTT	0	4.0	4.6	88
	<u> </u>					1,1,9	
<u> </u>	<u> </u>	<u>_</u>					i
	<u> </u>						
			· .				
	<u> </u>						
			ORIGINAL (Red)				
<u> </u>			ed SIR				-
			P				
							
			·			-	
					<u>'</u>	<u>'</u>	

This QC Report also covers the following sample numbers:

Z0008, Z0009, F0433-F0441, Z0011-Z0016, C0408-C0410

* Recovery = $\frac{(SSR-SR)}{(SA)} \times 100$

Sample No:	F04	35 OC	TRACE	#2201
Sample No: Lab Standard	ID:	TRAC	E #220	2, 2204

U.S NVIRONMEN	NTAL	PROTECTI	ON	AGENCY
HWI SAMPLE	MAN	AGEMENT: O	FF]	CE

Lab Name:	WEST	COAST	TECHNICAL	SERVICE,	I
Report No	:	26		• •	
Page	5	of	5		٠.

OUALITY CONTROL REPORT B. DUPLICATE ANALYSIS

OMPOUND (in	cluding surrogates)	CONCENTRATIO	DN (ug/1)	Relative Percent
P. #	COMPOUND NAME	Aliquot 1 (D ₁)	Aliquot 2 (D ₂)	Difference (RPD)*
	NON DETECTED FOR PESTICIDES		·	
			:	
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			-	
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	Saba Saba			<u> </u>
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This QC Report also covers the following sample numbers: Z0008, Z0009 F0433-F0441, Z0011-Z0016, C0408-C0410

*RPD =
$$\frac{(D_1 - D_2)}{(D_1 + D_2)/2} \times 100$$



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY_____

SAMPI	E IDC0413		SAMPI	LE ID	C0413	
LAB I				D	-	
DATE	EXTRACTED 2/7/81			EXTRACTED_		
	INJECTED 2/23/81			INJECTED		
	D DFTPP1264 PHEN312			D DFTPP10:		
	FACTOR 1000			FACTOR		
Acid	Compounds	ug/l	Base/	Neutral Compour	nds <u>u</u>	g/l
21A_	2,4,6-trichlorophenol	ND	41B	4-bromophenyl	phenyl ether	ND
22A	p-chloro-m-cresol	ND	42B	bis(2-chloroisc	propyl) ether	ND
24A	2-chlorophenol	ND	43B	bis (2-chloroe	thoxy) methane	ŅD
31 Á	2,4-dichlorophenol	ND	52B	hexachlorobuta	idiene	ND
34A	2,4-dimethylphenol	ND	53B	hexachlorocycl	opentadiene	ND
57A	2-nitrophenol	ND	54B	isophorone		ND
58A	4-nitrophenol	ND	55B	naphthalene		ND
59A	2,4-dinitrophenol	ND	56B	nitrobenzene		ND
60A	4,6-dinitro-o-cresol	ND	61B	N-nitrosodimet	hylamine	ND
64A	pentachlorophenol	ND_	62B	N-nitrosodiphe	nylamine	ND
65A	phenol	ND	63B	N-nitrosodi-n-	propylamine	ND
			66B	bis (2-ethylhe	xyl) phthalate	ND
Base/	Neutral Compounds		67B	butyl benzyl j	ohthalate	ND
			68B	di-n-butyl pht	halate	_*
1B	acenaphthene	ND	69B	di-n-octyl pht	halate	ND
5B	benzidine	ND_	70B	diethyl phthal	ate	ND
8B	1,2,4-trichlorobenzene	ND_	71B_	dimethyl phtha	alate	ND
9B	hexachlorobenzene	ND_	72B	benzo(a) anth	racene ORIGINAL	ND
12B	hexachloroethane	ND	73B	benzo(a)pyren	e (Red)	ND
18B	bis(2-chloroethyl)ether	ND	74B	3,4-benzofluor	anthene	ND.
20B	2-chloronapthalene	ND	75B	benzo(k)fluora	nthene	ND
25B	1,2-dichlorobenzene	ND	76B	chrysene	·	ND
26B	1,3-dichlorobenzene	ND	77B	acenaphthylen	e	ND_
27B	1,4-dichlorobenzene	ND_	78B	anthracene		ND_
28B	3,3'-dichlorobenzidine	ND	79B	benzo(ghi)pery	lene	ND_
35B	2,4-dinitrotoluene	ND	80B	fluorene		ND
36B	2,6-dinitrotoluene	ND	81B	phenanthrene		ND
37B	1,2-diphenylhydrazine		82B	dibenzo(a,h)a	nthracene	ND
	(as azobenzene)	ND_	83B	indeno(1,2,3-c	d)pyrene	ND
39B	fluoranthene	ND	84B	pyrene	·	ND_
<u>40B</u>	4-chlorophenyl phenyl eth	ner ND	129B	2,3,7,8-tetrach	lorodibenzo-	
			p-dio	xin		ND



WEST COAST TECHNICAL SERVICE INC. INDUSTRIAL CATEGORY

SAMPLE IDC	0413	SAMPLE ID	C0413
LAB ID 2	0844V8	LAB ID	20844 TRACE #2227
DATE INJECTED . 2	/9/81	DATE EXTRACTED_	2/6/81
STD ID DFTPP1251	VOA115	DATE INJECTED	2/10/81
CONC. FACTOR -		STD ID	TRACE #2228
		CONC. FACTOR	100

<u>Vola</u>	ug/l	
<u>2V</u>	acrolein	ND
3V	acrylonitrile	ND
4V	benzene	_ ND
<u>6V</u>	carbon tetrachloride	ND
<u>7V</u>	chlorobenzene	ND
10V	1,2-dichloroethane	ND
11V	1,1,1-trichloroethane	*
13V	1,1-dichloroethane	ND
14V	1,1,2-trichloroethane	ND
15V	1,1,2,2-tetrachloroethane	ND
16V	chloroethane	ND
XXX X	X X X X X X X X X X X X X X X X X X X	(XXXXX
19V	2-chloroethylvinyl ether	ND
23V	chloroform	ND
29V	1,1-dichloroethylene	ND
30V	1,2-trans-dichloroethylene	ND.
32V	1,2-dichloropropane	ND.
33V	1,3-dichloropropylene	ND
38V	ethylbenzene	ND
44V	methylene chloride	36
45V	methyl chloride	ND
46V	methyl bromide	ND
47V	bromoform	ND
48V	dichlorobromomethane	ND
49V	trichlorofluoromethane	ND
<u>50V</u>	dichlorodifluoromethane	ND
<u>51V</u>	chlorodibromomethane	ЙD
<u>85V</u>	tetrachloroethylene	ND
86V	toluene	ND
87V	trichloroethylene	ND
88V	vinyl chloride	ND

Pesti	ug/l		
89P	aldrin		ND
90P	dieldrin		ND
91P	chlordane		ND
92P	4,4'-DDT		ND
93P	4,4'-DDE	ND	
94P	4,4'-DDD	ND	
95P	alpha-endosu	ND	
96P	beta-endosulf	ND	
97P	endosulfan sı	ılfate	ND
98P	endrin		ND
99P	endrin aldeh	yde `	ND
100P	heptachlor	·	ND
101P	heptachlor ep	oxide	ND
102P	alpha-BHC		ND
103P	beta-BHC	ORIGINAL	ND
104P	gamma-BHC	(Red)	ND
105P	delta-BHC		ND
106P	PCB-1242		ND
107P	PCB-1254		ND
108P	PCB-1221		ND
109P	PCB-1232		ND
110P	PCB-1248		ND
111P	PCB-1260		ND
112P	PCB-1016		ND_
113P	toxaphene	·	ND

* = Less than 10 ug/l (pesticides less than 5 ug/l)

ND = Not detected

** = Not confirmed by GCMS

QC	Report	No:	27	

Sample Number C0413

	A. SURROGATE	SPIKE RESULTS		
COMPOUND	Fraction	Conc.(ug/l)	(Surroga Spike Added (ug/1)	tes only) % Recovery
Benzene - d6	VOA	53	50	106
1-Chloro-2-Bromopropane	VOA	48	50	96
Toluene - d8	VOA	50	50	100
2-Fluorophenol	ACID	5	142	4
Phenol - d5	ACID	4	103	4
Nitrobenzene - d5	B/N	79	98	81
2-Fluorobiphenyl	B/N	87	100	87
Naphthalene-D8	B/N	88	102	86

B. TENTATIVELY IDENTIFIED COMPOUNDS

		B. TENTATIVE	LI INCIVITAT	
	;			% Maximum Score Attained
ľ	CAS #	COMPOUND NAME	FRACTION	Mass Matching Routine: FIT
				(specify)
1.	<u>.</u>	UNKNOWN	V0A#45	NO GOOD FIT
2.		UNKNOWN	VOA#187	NO GOOD FIT
3.		UNKNOWN	ACID#79	NO GOOD FIT
4.		UNKNOWN	ACID#116	NO GOOD FIT ORIGINAL
5.		UNKNOWN	ACID#142	NO GOOD FIT (Red)
6.		UNKNOWN.	ACID#157	NO GOOD FIT
7.		DODECANOIC ACID	ACID#203	979
8.		UNKNOWN	ACID#242	NO GOOD FIT
9.		UNKNOWN	ACID#290	NO GOOD FIT
10.		UNKNOWN	ACID#448	' NO GOOD FIT
11.		1,1,1,2-TETRACHLORO-		
12.		PROPANE	B/N#42	834
13.		UNKNOWN	B/N#68	NO GOOD FIT
14.		UNKNOWN	B/N#217	NO GOOD FIT
15.		UNKNOWN	B/N#270	NO GOOD FIT
16.				
17.				
18.				
19.				
20.				

PREPARATION PARAMETER RESULTS AND EXTRACTS

NEIC Sample No. 63	3-096			Re	gion	n Sample No. 1
Sample Description	Composite	dredge	spoil	sample	from	(Project: Pigeo n locations #9 and #9A Point Landfill
Collection Date 2	/5/81	<u>, </u>	Time_	15:29/ 16:05		Reagent Blank_633-097 114

PARAMETER	AQUEO	US, NO. 1	SOLID, NO. 2	NON-AQUEOUS, NO.3
Percentage of sample (by volume)		N/A	10076	
% moisture		N/A	24 %	N/A
рН			6	N/A
Alkalinity .	m	g/L as CaCO3	N/A ug/g as CaCO3	N/A
Acidity	m	g/L as CaCO ₃	N/A ug/g as CaCO3	N/A
Conductivity	TDS ₁ =	mg/L	$TDS_1 = M/A ug/g$	N/A
conductivity	TDS ₂ =	mg/L	$TDS_2 = N/A ug/g$	N/A
Oxidants (spot test)			N/D	N/A
Oxidants (as Cl equivalents)		mg/L	N/A ug/g	N/A.
Sulfide (spot test)			N/D	N/A
Sulfide		mg/L	N/A ug/g	N/A
Cyanide (spot test)			N/O >	N/A "
Cyanide		mg/L	N/A ug/g	N/A
Description	لد	,	reddish brown	

 $\ensuremath{\mathsf{N/A}}$ - not applicable to this phase or sample $\ensuremath{\mathsf{N/D}}$ - not detected

ORIGINAL (Red)

PREPARATION-PARAMETER-RESULTS AND EXTRACTS

NEIC Sample No. 633-096		Region	Sample No. 1	
Sample Description <u>Composite dredge</u>	spoil	sample from	locations #9 and #9A	(Project: Pigeor Point Landfill)
Collection Date 2/5/81	Time	15:29/ 16:05	Reagent Blank 633-097	0114

PARAMETER	AL IQUOTª .	EXTRACT	SHIPPEDC
Aqueous phase, No. 1			
A - total metals			
C - total mercury			
D - strong acid anions			
E - base/neutral organics			
F - acidic (phenolic) organics			
H - volatile organics			
I - other			
Solid phase, No. 2			· · · · · · · · · · · · · · · · · · ·
A - total metals	1 1020	1011111	
B - acid extractable metals	0.1029	1.049 flux	A firstonifellet
C - total mercury	210	100 m 1	voom o.INHCI
D - strong acid anions	10	10 m/ ;	10 ml (duplicate)
E - base/neutral organics	1.0g		100ml H20
F - acidic (phenolic) organics	20:/g	47m/	47ml CHills
G - general organic extract	20.79	55 ml	55 m/ CH2Ch2
H - other volatile arganics	20.7g 1.29	104m	104m/ CH2Cl2
Non-aqueous liquid phase, No. 3	729	440 m	44 m / H2O (Augu
A - total metals			ORIGINAL (Red)
G - general organic extract			(new)
H - volatile organics			
I - other		·	

- а
- Amount of original sample taken for preparation.

 Volume of total prepared extract. Takes into account all dilutions.

 Volume or weight of prepared extract sent to designated laboratory. Ь

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PAYMENT Bill Shipper 1 1 Bill Recipie Cash in Advance Account Numb	ant's F.E.C. Acct. Bill 3rd Party F.E.C. Ac	PIECES! WEIGHT	AIRBILL SU ON REVERS FOR A STORY HIGHER VA	SE OF SHIPPER'S COPY, UNLESS, LUE, THE LIABILITY OF FEDERAL IS LIMITED TO \$100.00.	OU DECLARE A EXPRESS COR	DECLARED VALUE CHARGE
PAYMENT Bill Shipper Bill Recipie	om's F.E.C. Acct. 38 Bill 3rd Party F.E.C. Accept Credit Card Number 200 2.57	PIECES! WEIGHT	AIRBILL SU ON REVERS HIGHER VA PORATION DECLARED 1: OS	SE OF SHIPPER'S COPY. UNLESS, LLUE. THE LIABILITY OF FEDERAL IS LIMITED TO \$100.00.	COU DECLARE A EXPRESS COR	DECLARED VALUE CHARGE
PAYMENT Bill Shipper Bill Recipie	ont's F.E.C. Acct. Still 3rd Party F.E.C. Acc	PRECEST WEIGHT: 11	ARBILL SO ON REVERS HIGHER VA PORATION OF STATE	SE OF SHIPPER'S COPY, UNLESS, LUE, THE LIABILITY OF FEDERAL IS LIMITED TO \$100.00.	OU DECLARE A LEXPRESS COR	DECLARED VALUE CHARGE U
PAYMENT Bill Shipper	om's F.E.C. Acct. Self 3rd Party F.E.C. Accept Credit Card Number 2007 5.57 DELIVERY AND SPECIAL MANDLING 184 ONE CHECK SERVICES REQUIRED 184 NOLD FOR PICK-UP AT FOLLOWING	PRICES WEIGHT TO STAND THE CONTROL OF THE CONTROL O	ARBULL SO ON REVERS HIGHER VA PORATION DECLARED OS OS OF THE PORATION OS OF THE PORATION OF TH	SE OF SHIPPER'S COPY, UNLESS, LUE, THE LIABILITY OF FEDERAL IS LIMITED TO \$100.00.	COU DECLARE A EXPRESS COR	DECLARED VALUE CHARGE U
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PAYMENT BIII Shipper 1 1 BIB Recipie Gash in Advance Account Numb SERVICES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	om's F.E.C. Acct. Self 3rd Party F.E.C. Acct. Self 3rd Par	PRICES WEIGHT TO THE CEST WEIGHT	in ARBILL SO ON REVERS HIGHER VA PORATION DECLARED OS 11 CONTROL OS 12	SE OF SHIPPER'S COPY, UNLESS S LUE, THE LIABILITY OF FEDERAL IS LIMITED TO \$100.00. AGT/PRI	OU DECLARE A EXPRESS COR.	DECLARED VALUE CHARGE U
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ENVIRONMENTAL PROTECTION AGENCY Office of Enforcement

HÁIN OF CUSTODY RECORD

REGION 3 Curtis Bldg., 6th & Walnut Sts.

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JACOBS-LABORATORIES-

U.S. Environmental Protection Agency Page 3 Lab No. P81-05-177

Région Sangle #1

min ADS

Sample: 633-096-02 Sample from Locations #9 and #9A Pegen Pt DE

Fraction	Analysis	Compounds	Concentration, µg/kg
E	Base/Neutral	Di-n-butyl phthalate	1,200
F	Acids	None detected	<1,000
G	General Organics	Di-n-butyl phthalate Phenanthrene Bis (2-ethylhexyl) phthalate	3,700 250 640
		N-Nitrosodiphenylamine	76
H	Volatiles	Methylene chloride	3,100,000

Nonpriority Pollutants

Fraction	Compound
G	4-hydroxy-4-methoxy-2-pentanone
H	2-Butanone
	3-Methylbutanone
·	2-Pentanone
	Methyl actor of hutanois soid

617 935 0238

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		Dist	** .*		A			0	tok Field File					1						

REGION 3



IS ENVIRONMENT PROTECTION AGENCY HWI Sam

Management Offic

Sample Number

ORGANICS TRAFFIC REPORT

C PROTE STATE OF THE STATE OF T		CARCENT TO THE	1764 To	7 1	بسنسيب
Case Number: 393 Sample Site Name/Code: Pigeon Point Landfill DE-27	2 Sample Type: (Check One X Run Off Well Receiving Water X Leachate	·	3 Ship To: West Coast Tel 17605 Fabri Soite D Cerritos,	chnical Servica Way Ca 9070	1
F3-8101-17	Effluent		Attn:		
	Other (specify)	= .	,	· · ·	
4 Regional Office:	5 Mark Volume Level on Sa	mple Bottle			
non responsive based on revised scope	<u> </u>	Date Sampled			
(Name) 609 665-1515	Extractable	2-5-81			
(Phone) Sampling Date:	Extractable	2.5-81			
$\frac{Q/5/81}{\text{(Begin)}} \qquad \frac{Q/5/81}{\text{(End)}}$	Extractable	2-5-81	2.5		
6 Shipping Information	Extractable	2-5-81			
Ecology + Environment	VOA Unpreserved	2-5-81			
Name of Shipper:	VOA Unpreserved (Duplicate)	2-5-81			
Date Shipped:					
017979999.2					
Airbill Number	4				
7 Description of Sample Location SL#7, South Leed	on: hate Pond				

Ratches INOrg. # MC-8172

8 Special Handling Instructions: (e.g., safety precautions, hazardous nature)

ORIGINAL (Red)

REGIONAL OFFICE FILE COPY

Hazardous Waste Investigation Sample Management Office

P.O. Box 818 Alexandria, Virginia 22313 Phone: (703) 557-2490/FTS-8-557-2490

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- Where Organic Traffic Reports (OTR), Organics Laboratory Chronicle—Extractions (OLC-E) and/or Organics Laboratory
 Chronicle—Analysis (OLC-A) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the OTR's and OLC's.
- Relate any problems and/or questions concerning SMO procedures or the use of OTR's or OLC's to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Organics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-8).
- Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.Where necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 8, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 6. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- Send the first page of each OTR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the OTR and all copies of the OLC-E and OLC-A in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory. Upon completion by the laboratory, SMO will forward a copy of the OLC-E and OLC-A for inclusion in Regional files.

- 1. Check condition of all samples and labels on arrival.
- Fill in information requested in Item 9 of the Organics Traffic Report (OTR) and note comments regarding sample condition in Item 9.
- Send the top sheet of the OTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with extraction, recording all pertinent information on the corresponding Organics Laboratory Chronicle—Extractions (OLC-E).
- · 5. Identify each extracted sample using the pre-printed labels provided.
 - Upon completion of extraction, send the first two pages (white and pink copies) of the OLC-E to the HWI Sample Management Office, retaining the last page (yellow copy) for your files.
 - 7. Proceed with analysis, recording all pertinent comments on the Organics Laboratory Chronicle—Analysis (OLC-A) and/or in the narrative section of your Weekly Report.
 - 8. Upon completion of final analysis, send the first two pages (white and pink copies) of the OLC-A to the HWI Sample Management Office and retain the last page (yellow copy) for your files.
 - 9. For each complete sample analyzed, the Analysis Data, Surrogate Spike and Tentatively Identified Compound Report and Quality Control Report (Parts A and B) are to be completed and copies sent to the HWI Sample Management Office, the respective USEPA Regional Project Officer, NEIC and EMSL-LV.



U.S. ENVIRONMENT PROTECTION AGENCY HWI Scimi P.O. Box 818, Alexandria, Virginia 22313-703/557-2490 • FTS/557-2490

Management Office

Sample Number

1101-17-13

1) Case Number: 393	Sample Type: (Check One Run Off Well	e)	3 Ship To: West Coast Techn 17605 Fabrica Suited	rical Service a Way			
Sample Site Name/Code: Piacon Point Ladill DE-27 =3-8101-17	Receiving Water Leachate Effluent Other (specify)		Suite Di Cerritos, Ca Attn: Nonresponsive based	90701			
(A) Regional Office: 3	(5) Mark Volume Level on San	mple Bottle					
impling Personnel: non responsive based on revised scop	le ·	Date Sampled					
(Name) 609 665-1515	Extractable	2/5/81					
(Phone) Sampling Date:	Extractable	2/5/81					
<u> </u>	Extractable	2/5/81					
6 Shipping Information	Extractable	2/5/81					
Ecology + Environment Name of Shipper:	VOA Unpreserved	2/5/31					
Name of Snipper:	VOA Unpreserved (Duplicate)	2/5/01					
Date Shipped:							
0179799992	-	-					
Airbill Number:							
Description of Sample Location: SL#8, Ortall Perimeter leachate collection system.							
	ue 1330						
8 Special Handling Instruction	ns:			. ,			
(e.g., safety precautions, hazardou	is nature)						
	ORIGINAL						

(Red)

Hazardous Waste Investigation Sample Management Office

P.O. Box 818 Alexandria, Virginia 22313 Phone: (703) 557-2490/FTS-8-557-2490

GENERAL DIRECTIONS

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- 4. Where Organic Traffic Reports (OTR), Organics Laboratory Chronicle—Extractions (OLC-E) and/or Organics Laboratory Chronicle—Analysis (OLC-A) must be mailed, be sure that all sheets are sent to the correct addressee.
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SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Organics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-8).
- Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.
 Where necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 8, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 6. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
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- 5. Identify each extracted sample using the pre-printed labels provided.
- 6. Upon completion of extraction, send the first two pages (white and pink copies) of the OLC-E to the HWI Sample Management Office, retaining the last page (yellow copy) for your files.
- Proceed with analysis, recording all pertinent comments on the Organics Laboratory Chronicle—Analysis (OLC-A) and/or in the narrative section of your Weekly Report.
- 8. Upon completion of final analysis, send the first two pages (white and pink copies) of the OLC-A to the HWI Sample Management Office and retain the last page (yellow copy) for your files.
- For each complete sample analyzed, the Analysis Data, Surrogate Spike and Tentatively Identifed Compound Report and Quality Control Report (Parts A and B) are to be completed and copies sent to the HWI Sample Management Office, the respective USEPA Regional Project Officer, NEIC and EMSL-LV.



U.S. ENVIRONMENT PROTECTION AGENCY HWI Samp' (lanagement Office P.O. Box 818, Alexandria, Vuginia 22313—703/557-2490 • FTS/557-2490

Sample Number

1) Case Number:	2 Sample Type: (Check One) Run Off	3 Ship To: West Coast Technical Service 17605 Fabrica Woy
Sample Site Name/Code:	Well	Suite D Cerritos, Ca
Myean Point Londfill	Receiving Water Leachate	90701
F3.8101-17	Effluent	Attn: Nonresponsive based on revised scope
	Other (specify)	

Regional Office:	(5) Mark Volume Level on So	ample Bottle	en.	
non responsive based on revised scop	·	Date Sampled		
609 665 1575	Extractable	2/5/01		
(Phone) Sampling Date:	Extractable	2/5/21	en e	
2/5/81 2/5/8/ (Begin) (End)	Extractable	2/5/81		
6 Shipping Information	Extractable	2/5/01		
Ecology + Environment	VOA Unpreserved	2/5/01		
Name of Shipper:	VOA Unpreserved (Duplicate)	2/5/81	Salar Salar	
Date Shiipped:				
017979992				
Airbill Number:				

7 Description of S	cample Location	n: _ /	0
O Description of S SL# 5	North	Swale	Wrainoge
,		1540	v

Nateles Inorganic & MC 8170

Special Handling Instructions: (e.g., safety precautions, hazardous nature)

> ORIGINAL (Red)

> > REGIONAL OFFICE FILE COPY

11-17-15

Hazardous Waste Investigation Sample Management Office

P.O. Box 818 Alexandria, Virginia 22313 Phone: (703) 557-2490/FTS-8-557-2490

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- 5. Fill in shipping information requested in Item 6. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- Send the first page of each OTR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the OTR and all copies of the OLC-E and OLC-A in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory. Upon completion by the laboratory, SMO will forward a copy of the OLC-E and OLC-A for inclusion in Regional files.

- 1. Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 9 of the Organics Traffic Report (OTR) and note comments regarding sample condition in Item 9.
- Send the top sheet of the OTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with extraction, recording all pertinent information on the corresponding Organics Laboratory Chronicle—Extractions (OLC-E).
- 5. Identify each extracted sample using the pre-printed labels provided.
- 6. Upon completion of extraction, send the first two pages (white and pink copies) of the OLC-E to the HWI Sample Management Office, retaining the last page (yellow copy) for your files.
- 7. Proceed with analysis, recarding all pertinent comments on the Organics Laboratory Chronicle—Analysis (OLC-A) and/or in the narrative section of your Weekly Report.
- Upon completion of final analysis, send the first two pages (white and pink copies) of the OLC-A to the HWI Sample Management Office and retain the last page (yellow-copy) for your files.
- For each complete sample analyzed, the Analysis Data, Surrogate Spike and Tentatively Identified Compound Report and Quality Control Report (Parts A and B) are to be completed and copies sent to the HWI Sample Management Office, the respective USEPA Regional Project Officer, NEIC and EMSL-LV.



Sample Number

AL PROTECT	عادالته عنداله المتساعة بمارياته فالكنداء		Sair age and a	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a de la companya de l	
Ocase Number: 393 Sample Site Name/Code: Pigeon Point Landfill DE-27 F3-8101-17	2 Sample Type: (Check One Run Off Well Receiving Water Leachate Effluent Ofher (specify)		Suite	Fabrica		
(4) Regional Office:	5 Mark Volume Level on Sa	mple Bottle				
non responsive based on revised scope	;	Date Sampled			in To	
609 865-1515	Extractable	2-5-81		27	e de la companya de l	
(Phone) Sampling Date:	Extractable	2-5-81			el ^{ge}	
2-5-81 2-5-81 (Begin) (End)	Extractable	2-5-81				
6 Shipping Information	Extractable	2-5-81				
Ecology 1 Environment	VOA Unpreserved	2-5-81	ar i			
	VOA Unpreserved (Duplicate)	2-5-81				
2-5-81 Date Shipped:						
0179799992						
Airbill Number:				14-		
	Point Well # 29		-			
	# 100 AC-817	<u> </u>				
8 Special Handling Instructions:						

(e.g., safety precautions, hazardous nature)

ORIGINAL (Red)

Hazardous Waste Investigation Sample Management Office

P.O. Box 818 Alexandria, Virginia 22313 Phone: (703) 557-2490/FTS-8-557-2490

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- Where Organic Traffic Reports (OTR), Organics Laboratory Chronicle—Extractions (OLC-E) and/or Organics Laboratory Chronicle—Analysis (OLC-A) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the OTR's and OLC's.
- Relate any problems and/or questions concerning SMO procedures or the use of OTR's or OLC's to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Organics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-8).
- Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.Where necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 8, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 6. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- 6. Send the first page of each OTR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the OTR and all copies of the OLC-E and OLC-A in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory. Upon completion by the laboratory, SMO will forward a copy of the OLC-E and OLC-A for inclusion in Regional files.

- 1. Check condition of all samples and labels on arrival.
- Fill in information requested in Item 9 of the Organics Traffic Report (OTR) and note comments regarding sample condition in Item 9.
- Send the top sheet of the OTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with extraction, recording all pertinent information on the corresponding Organics Laboratory Chronicle—Extractions (OLC-E).
- 5. Identify each extracted sample using the pre-printed labels provided.
- 6. Upon completion of extraction, send the first two pages (white and pink copies) of the OLC-E to the HWI Sample Management Office, retaining the last page (yellow copy) for your files.
- Proceed with analysis, recording all pertinent comments on the Organics Laboratory Chronicle—Analysis (OLC-A) and/or
 in the narrative section of your Weekly Report.
- Upon completion of final analysis, send the first two pages (white and pink copies) of the OLC-A to the HWI Sample Management Office and retain the last page (yellow copy) for your files.
- For each complete sample analyzed, the Analysis Data, Surrogate Spike and Tentatively Identified Compound Report and Quality Control Report (Parts A and B) are to be completed and copies sent to the HWI Sample Management Office, the respective USEPA Regional Project Officer, NEIC and EMSL-LV.



Sample Number 0410

U.S. ENVIRONMENTA ROTECTION: AGENCY HWI Sample Car P.O. Box 818 Alexandria, Virginia 22313—7037557-2490 • FTS 7557-2490 • ; ORGANICS TRAFFIC REPORT

the programme of the second to the		
1) Case Number:	2 Sample Type: (Check One)	3 Ship To:
	Run Off Well	West Coast Technical Service 17605 Fabrica Way Suite D
Sample Site Name/Code:	Receiving Water	Cerritos, Ca 90701
DE 27	Leachate	, , , , , , , , , , , , , , , , , , ,
F3-8101-17	Effluent	Attn: Nonresponsive based on revised scope

	Other (specify)			
Regional Office:	5 Mark Volume Level or	n Sample Bottle		
	: .	Date Sampled	14 14	
(Name) (809)665 - 15-15	Extractable	02/05/31		
(Phorie) Sampling Date:	Extractable	2/5/81	***	
(Begin) (End)	Extractable	2/5/81		
6 Shipping Information	Extractable	2/5/8/		
Ecology + Environment	VOA Unpreserved	2/5/81		
	VOA Unpreserved (Duplicate)	2/5/81	477	
Date Shipped:				
0179799992				
Airbill Number:				

7 Description of	Sample Location	ı: 0 /		
7 Description of S SC#3	Pigeon	Point	Well	#1A

Matches Inorganic MC-8168

Special Handling Instructions: (e.g., safety precautions, hazardous nature)

> ORIGINAL (Red)

Hazardous Waste Investigation Sample Management Office

P.O. Box 818 Alexandria, Virginia 22313 Phone: (703) 557-2490/FTS-8-557-2490

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Organic Traffic Reports (OTR), Organics Laboratory Chronicle—Extractions (OLC-E) and/or Organics Laboratory Chronicle—Analysis (OLC-A) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the OTR's and OLC's.
- Relate any problems and/or questions concerning SMO procedures or the use of OTR's or OLC's to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Organics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-8).
- Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.
 Where necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 8, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 6. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- Send the first page of each OTR (white copy) to the HWI Sample Management Office in the preposted envelope provided with
 the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the OTR and all copies of the OLC-E and OLC-A in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory. Upon completion by the laboratory, SMO will forward a copy of the OLC-E and OLC-A for inclusion in Regional files.

- 1. Check condition of all samples and labels on arrival.
- Fill in information requested in Item 9 of the Organics Traffic Report (OTR) and note comments regarding sample condition in Item 9.
- 3. Send the top sheet of the OTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with extraction, recording all pertinent information on the corresponding Organics Laboratory Chronicle—Extractions (OLC-E).
- 5. Identify each extracted sample using the pre-printed labels provided.
- Upon completion of extraction, send the first two pages (white and pink copies) of the OLC-E to the HWI Sample Management Office, retaining the last page (yellow copy) for your files.
- Proceed with analysis, recording all pertinent comments on the Organics Laboratory Chronicle—Analysis (OLC-A) and/or in the narrative section of your Weekly Report.
- 8. Upon completion of final analysis, send the first two pages (white and pink copies) of the OLC-A to the HWI Sample Management Office and retain the last page (yellow copy) for your files.
- For each complete sample analyzed, the Analysis Data, Surrogate Spike and Tentatively Identified Compound Report and Quality Control Report (Parts A and B) are to be completed and copies sent to the HWI Sample Management Office, the respective USEPA Regional Project Officer, NEIC and EMSL-LV.



ENVIRONMENT/ ROTECTION AGENCY HWI Sampl/ 'amagement Office'. Box 818, Alexandra, Virginia 22313—703/557-2490 • FTS/557-2490

Sample Number

AL PROTECT		
1 Case Number:	2 Sample Type: (Check One)	3 Ship To:
393	Run Off	Wost Coast Jechnical Javice
	Well	3 Ship To: Wost Coast Technical Service 17605 Fabrica Way Suite D
Sample Site Name Code:	Receiving Water	Cerritos, Ca 90701
DE-27	Leachate	
F3-8101-17	Effluent	A Nonresponsive based on revised scope
	Ofher (specify)	

Regional Office: 3	(5) Mark Volume Level on Sa	mple Bottle
non responsive based on revised sco	pe	Date Sampled
609 665 -1515	Extractable	2/5/81
(Phone) Sampling Date:	Extractable	2/5/81
2/5/8/ 2/5/8/ (Begin) (End)	Extractable	2/5/81
6 Shipping Information	Extractable	2/5/81
Ecology + Environment	VOA Unpreserved	2/5/81
Name of Shipper:	VOA Unpreserved (Duplicate)	2/5/81
2/5/81 Date Shipped:		
0179799992		

Name of Shipper:	VOA Unpreserved (Duplicate)	2/5/81					
2/5/8/ Date Shipped:							
0179799992 Airbill Number:							
7 Description of Sample Location	on: - Well # 9	-	•				
sh#2							
Matchs In	longanic # MC-816	7					
8 Special Handling Instruction	ns:						

(e.g., safety precautions, hazardous nature)

ORIGINAL (Red)

REGIONAL OFFICE FILE COPY

Hazardous Waste Investigation Sample Management Office

P.O. Box 818 Alexandria, Virginia 22313 Phone: (703) 557-2490/FTS-8-557-2490

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- Where Organic Traffic Reports (OTR), Organics Laboratory Chronicle—Extractions (OLC-E) and/or Organics Laboratory
 Chronicle—Analysis (OLC-A) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the OTR's and OLC's.
- Relate any problems and/or questions concerning SMO procedures or the use of OTR's or OLC's to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Organics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-8).
- Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.
 Where necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 8, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 6. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- Send the first page of each OTR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the OTR and all copies of the OLC-E and OLC-A in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory. Upon completion by the laboratory, SMO will forward a copy of the OLC-E and OLC-A for inclusion in Regional files.

ANALYSIS LABORATORY DIRECTIONS

- Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 9 of the Organics Traffic Report (OTR) and note comments regarding sample condition in Item 9.
- Send the top sheet of the OTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with extraction, recording all pertinent information on the corresponding Organics Laboratory Chronicle—Extractions (OLC-E).
- 5. Identify each extracted sample using the pre-printed labels provided.
- 6. Upon completion of extraction, send the first two pages (white and pink copies) of the OLC-E to the HWI Sample Management Office, retaining the last page (yellow copy) for your files.
- Proceed with analysis, recording all pertinent comments on the Organics Laboratory Chronicle—Analysis (OLC-A) and/or
 in the narrative section of your Weekly Report.
- 8. Upon completion of final analysis, send the first two pages (white and pink copies) of the OLC-A to the HWI Sample Management Office and retain the last page (yellow copy) for your files.
- For each complete sample analyzed, the Analysis Data, Surrogate Spike and Tentatively Identified Compound Report and Quality Control Report (Parts A and B) are to be completed and copies sent to the HWI Sample Management Office, the respective USEPA Regional Project Officer, NEIC and EMSL-LV.



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^ranagement Office

U.S. ENVIRONMENT/ ROTECTION AGENCY HWI Sampl/PO Box 818, Alexandria, Virginia 22313—703/557-2490 • FTS/557-2490 • ORGANICS TRAFFIC REPORT

50		number	
C	0	1408	
			*

PROTE TO THE PROTECT OF THE PROTECT			A STATE OF STATE AND A SECOND			
Case Number: 393 Sample Site Name/Code: Discontont Indfill bt-27 F3-8101-17	Sample Type: (Check One) Run Off Well Receiving Water Leachate Effluent Other (specify)	•	3 Ship To: West Coast To 17805 Fabr. Suite D Cerr, tos, Ca Attn: Nonresponsive base	echnical Service ca Way 90701		
A Regional Office: 3	(5) Mark Volume Level on Samp	ple Bottle				
non responsive based on revised sco		Date Sampled	echt (fin			
609 665-1515	Extractable	2/5/81				
(Phone) Sampling Date:	Extractable	2/5/81				
3/5/81 2/5/81 (Begin) (End)	Extractable	2/5/81				
6 Shipping Information	Extractable	215/81				
Ecology + Environment	VOA Unpreserved	2/5/81				
Name of Shipper:	VOA Unpreserved (Duplicate)	2/5/81				
Date Shipped:						
0179799992						
Airbill Number:						
7) Description of Sample Location: SL# 1, ARTES W Water Co. Well # 5						
Matches I noogo (8) Special Handling Instruction	aic # 100 8166					
8 Special Handling Instruction	ns:					

(e.g., safety precautions, hazardous nature)

ORIGINAL (Red)

REGIONAL OFFICE FILE COPY

Hazardous Waste Investigation Sample Management Office

P.O. Box 818 Alexandria, Virginia 22313 Phone: (703) 557-2490/FTS-8-557-2490

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Organic Traffic Reports (OTR), Organics Laboratory Chronicle—Extractions (OLC-E) and/or Organics Laboratory Chronicle—Analysis (OLC-A) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the OTR's and OLC's.
- Relate any problems and/or questions concerning SMO procedures or the use of OTR's or OLC's to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Organics Traffic Report must be completed for each point sampled during a given site visit
- 2. Fill in all information requested relating to an individual sampling point (Items 1-8).
- Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.Where necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 8, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 6. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air corrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- Send the first page of each OTR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the OTR and all copies of the OLC-E and OLC-A in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory. Upon completion by the laboratory, SMO will forward a copy of the OLC-E and OLC-A for inclusion in Regional files.

- 1. Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 9 of the Organics Traffic Report (OTR) and note comments regarding sample condition in Item 9.
- Send the top sheet of the OTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- Proceed with extraction, recording all pertinent information on the corresponding Organics Laboratory Chronicle—Extractions (OLC-E).
- 5. Identify each extracted sample using the pre-printed labels provided.
- Upon completion of extraction, send the first two pages (white and pink copies) of the OLC-E to the HWI Sample Management Office, retaining the last page (yellow copy) for your files.
- Proceed with analysis, recording all pertinent comments on the Organics Laboratory Chronicle—Analysis (OLC-A) and/or in the narrative section of your Weekly Report.
- Upon completion of final analysis, send the first two pages (white and pink copies) of the OLC-A to the HWI Sample Management Office and retain the last page (yellow copy) for your files.
- For each complete sample analyzed, the Analysis Data, Surrogate Spike and Tentatively Identified Compound Report and Quality Cantrol Report (Parts A and B) are to be completed and copies sent to the HWI Sample Management Office, the respective USEPA Regional Project Officer, NEIC and EMSL-LV.



U.S. ENVIRONMENT/ ROTECTION AGENCY, HWI Sampl PO Box 818, Alexandria, Virginia 22313—703/557-2490 • FTS 7557-2490

Sample Number 0416

AL PROTE	والمراكب والمراجع	1.0	
1) Case Number: 393	Sample Type: (Check One Run Off	e)	3 Ship To: West Coast Technical
Sample Site Name/Code: Propon Point Landfill DE -27 F3-8101-17		Blank	Service 17605 Fabrica Way Suite D (erritos (a. 90>01 Attoriesponsive based on revised scope
Regional Office: 3	(5) Mark Volume Level on Sa	mple Bottle	
impling Personnel: non responsive based on revised scope		Date Sampled	
609-665-1515	Extractable	2/5/81	
(Phone) Sampling Date:	Extractable	2/5/81	
2/5/81 2/5/81 (Begin) (End)	Extractable	2/5/81	
6 Shipping Information Ecology and Environman	Extractable [2/5/21	The state of the s
_tue:	VOA Unpreserved	2/5/81	
Name of Shipper:	VOA Unpreserved (Duplicate)	2/5/81	
Date Shipped:	,		
0179.799992			

7 Description of Sample Location: Sample

Airbill Number:

Matches Inongenic # MC-8173

8 Special Handling Instructions:

(e.g., safety precautions, hazardous nature)

ORIGINAL (Red)

REGIONAL OFFICE FILE COPY

Hazardous Waste Investigation Sample Management Office

P.O. Box 818 Alexandria, Virginia 22313 Phone: (703) 557-2490/FTS-8-557-2490

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Organic Traffic Reports (OTR), Organics Laboratory Chronicle—Extractions (OLC-E) and/or Organics Laboratory Chronicle—Analysis (OLC-A) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the OTR's and OLC's.
- Relate any problems and/or questions concerning SMO procedures or the use of OTR's or OLC's to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Organics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-8).
- Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.Where necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 8, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 6. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- 6. Send the first page of each OTR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the OTR and all copies of the OLC-E and OLC-A in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory. Upon completion by the laboratory, SMO will forward a copy of the OLC-E and OLC-A for inclusion in Regional files.

- 1. Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 9 of the Organics Traffic Report (OTR) and note comments regarding sample condition in Item 9.
- Send the top sheet of the OTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- Proceed with extraction, recording all pertinent information on the corresponding Organics Laboratory Chronicle—Extractions (OLC-E).
- 5. Identify each extracted sample using the pre-printed labels provided.
- 6. Upon completion of extraction, send the first two pages (white and pink copies) of the OLC-E to the HWI Sample Management Office, retaining the last page (yellow copy) for your files.
- Proceed with analysis, recording all pertinent comments on the Organics Laboratory Chronicle—Analysis (OLC-A) and/or
 in the narrative section of your Weekly Report.
- Upon completion of final analysis, send the first two pages (white and pink copies) of the OLC-A to the HWI Sample Management Office and retain the last page (yellow copy) for your files.
- For each complete sample analyzed, the Analysis Data, Surrogate Spike and Tentatively Identifed Compound Report and Quality Control Report (Parts A and B) are to be completed and copies sent to the HWI Sample Management Office, the respective USEPA Regional Project Officer, NEIC and EMSL-LV.



U.S. ENVIRONMENTA

ROTECTION AGENCY HWI Sampl

^fanagement Office

Sample Number

ORGANICS TRAFFIC REPORT

ANOTECH PROPERTY			· 是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个				
Sample Site Name/Code: History Point Landfull DE-27 F3-8101-17	2 Sample Type: (Check Company) Run Off Well Receiving Water Leachate Effluent Ofher (specify)	ne)	3 Ship To: West Coast Technical Service 17605 Fabrica Way Suite D Cerritos, Ca 90701 Attn: Nonresponsive based on revised scope				
Regional Office: Impling Personnel: Inon responsive based on revised scope	(5) Mark Volume Level on	Sample Bottle Date Sampled					
(Name) 609-665-15-15 (Phone) Sampling Date:	Extractable Extractable	2/5/81	entral contract of the contrac				
(Begin) (End) (Bigin) (End)	Extractable Extractable	2/5/81					
Ecology + Environment In Marne of Shipper:	VOA Unpreserved VOA Unpreserved (Duplicate)	2/5/81					
Date Shipped:	(Duplicate)	575767					
Airbill Number: (2) Description of Sample Locati	on:	1					
Description of Sample Location: SL# 4 Northwest Drainage Pond.							
Special Handling Instruction (e.g., safety precautions, hazardou							
	ORIGINAL (Red)						

REGIONAL OFFICE FILE COPY

Hazardous Waste Investigation Sample Management Office

P.O. Box 818 Alexandria, Virginia 22313 Phone: (703) 557-2490/FTS-8-557-2490

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Organic Traffic Reports (OTR), Organics Laboratory Chronicle—Extractions (OLC-E) and/or Organics Laboratory Chronicle—Analysis (OLC-A) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the OTR's and OLC's.
- Relate any problems and/or questions concerning SMO procedures or the use of OTR's or OLC's to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Organics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-8).
- Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.
 Where necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 8, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 6. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- Send the first page of each OTR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the OTR and all copies of the OLC-E and OLC-A in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory. Upon completion by the laboratory, SMO will forward a copy of the OLC-E and OLC-A for inclusion in Regional files.

- 1. Check condition of all samples and labels on arrival.
- Fill in information requested in Item 9 of the Organics Traffic Report (OTR) and note comments regarding sample condition in Item 9.
- Send the top sheet of the OTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with extraction, recording all pertinent information on the corresponding Organics Laboratory Chronicle—Extractions (OLC-E).
- 5. Identify each extracted sample using the pre-printed labels provided.
- 6. Upon completion of extraction, send the first two pages (white and pink copies) of the OLC-E to the HWI Sample Management Office, retaining the last page (yellow copy) for your files.
- Proceed with analysis, recording all pertinent comments on the Organics Laboratory Chronicle—Analysis (OLC-A) and/or in the narrative section of your Weekly Report.
- Upon completion of final analysis, send the first two pages (white and pink copies) of the OLC-A to the HWI Sample Management Office and retain the last page (yellow copy) for your files.
- For each complete sample analyzed, the Analysis Data, Surrogate Spike and Tentatively Identified Compound Report and Quality Control Report (Parts A and B) are to be completed and copies sent to the HWI Sample Management Office, the respective USEPA Regional Project Officer, NEIC and EMSL-LV.

ENVIRONMENTAL PROTECTION AGENCY Office of Enforcement



REGION 3

Curtis Bldg., 6th & Walnut Sts. ... Philadelphia, Pennsylvania 19106

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U.S. ENVIRONMEN PROTECTION AGENCY HWI Sar 's Management Office P.O. Box 818, Alexandria, v A 22313 +703 / 557 - 2490 FTS / 557 - 2490

Sample Number

MC 8168

INORGANICS TRAFFIC REPORT

Case Number: 233 Sample Site Name/Code: No. 12 12 12 12 12 12 12 12 12 12 12 12 12	2 Sample Type: (Check One) Run Off Well Water Receiving Water Leachate Effluent Other (specify)	3) Ship To: Versar Inc. 6621 Electronic Dr. Springheld, Va 2215. Attn: Nonresponsive based on revised scope
A Regional Office: 3 Sampling Personnel: (Name) hone) 109-665-1315 Sampling Date: (Begin) 11/05/21 (End) 15/21	Shipping Information: Name Of Shipper: Stalegy + Cantage + Date Shipped: 21581 Airbill Number: 0179800003	
6 Description of Sample Location 1) i gran Point Well # 1A St. # 3 MATCHES ORGANICS SAMPLE NO (-0910)	Task 3 Ammonia & TOC Fluoride & pH Sulfide Cyanide	

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Inogranics Traffic Reports (ITR) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the (ITR's).
- Relate any problems and/or questions concerning SMO procedures or the use of (ITR's) to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Inorganics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-7).
- 2. Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.
 There necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 6, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 5. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- 6. Send the first page of each ITR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the ITR in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory.

- 1. Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 8 of the Inorganics Traffic Report (ITR) and note comments regarding sample condition in Item 9.
- 3. Send the top sheet of the TTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with analysis, recording all pertinent comments on the Inorganics Data Sheets, QC Percorts and/or in the narrative section of your Weekly Report.



U.S. ENVIRONMEN^{TT} L PROTECTION AGENCY HWI Sar 'e Management Office P.O. Box 818, Alexandria, v A 22313-703/557-2490 FTS/557-2490

Sample Number

M.C. S.1.67

INORGANICS TRAFFIC REPORT

-		
Case Number: 5/2 Sample Site Name/Code: 5/2 At - 27	2 Sample Type: (Check One) Run Off Well Water Receiving Water Leachate Effluent Other (specify)	3 Ship To: Versar Inc 6621 Electronic Ar Springfield Vg 22151
A Regional Office:	Shipping Information: Name Of Shipper: Colocy t Environment In Date Shipped: 2/5/8/ Airbill Number: 017580000 3	
6 Description of Sample Location Attus Point Plant well # 9 St.#2 MATCHES ORGANICS SAMPLE NO. C-0409	Task 3 Ammonia & TOC Sulfide Cyanide	

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Inogranics Traffic Reports (ITR) must be mailed, be sure that all sheets are sent to the correct addressee.
- These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the (ITR's).
- Relate any problems and/or questions concerning SMO procedures or the use of (ITR's) to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Inorganics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-7).
- 3 Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided. here necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 6, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 5. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- 6. Send the first page of each ITR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the ITR in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory.

- 1. Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 8 of the Inorganics Traffic Report (ITR) and note comments regarding sample condition in Item 9.
- 3. Send the top sheet of the ITR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with analysis, recording all pertinant comments on the Inorganics Data Sheets, QC Percents and/or in the narrative section of your Weekly Report.



U.S. ENVIRONMENT L PROTECTION AGENCY HWI Scr. 'e Management Office

P.O. Box 818, Alexandria, v.A. 22313 - 703 / 557-2490 FTS / 557-2490

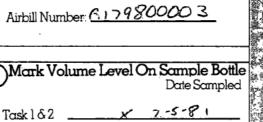
Sample Number

M.C. C.172

INORGANICS TRAFFIC REPORT

Sample Site Name/Code: Sample Site Name/Code:	2) Sample Type: (Check One) Run Off Well Water Receiving Water ORIGINAL Leachate	Attn:
--	---	-------

4 Regional Office: 3	5 Shipping Information:
Sampling Personnel: non responsive based on revised scope	Name Of Shipper. Ecology + Environment Inc
(Name) 607 665-1515	Date Shipped: 2/5/51
Sampling Date:	Date Snipped:



Ammonia & TOC _____ Fluoride & pH _____ Sulfide

こまて	South Pond	Leptinie
	**	

MATCHES ORGANICS SAMPLE NO. COTY

6 Description of Sample Location

(Begin) 2-5-81 (End) 7-5-81

REGIONAL OFFICE FILE COPY

Cyanide ____

Task 3

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Inagranics Traffic Reports (TTR) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the (ITR's).
- Relate any problems and/or questions concerning SMO procedures or the use of (TTR's) to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Inorganics Traffic Report must be completed for each point sampled during a given site visit
- 2. Fill in all information requested relating to an individual sampling point (Items 1-7).
- 3 Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided. here necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 6, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 5. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- 6. Send the first page of each ITR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the ITR in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory.

- 1. Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 8 of the Inorganics Traffic Report (ITR) and note comments regarding sample condition in Item 9
- 3. Send the top sheet of the TTR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with analysis, recording all period at comments on the Inorganics Data Sheets, QC Beports and/or in the narrative section of your Weekly Report.



U.S. ENVIRONMENT L. PROTECTION AGENCY HWI Same le Management Office P.O. Box 818, Alexandria, v A 22313-703/557-2490 • FTS/557-2490

Sample Number MC 3173

INORGANICS TRAFFIC REPORT

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Case Number: 3 23 4 Sample Site Name/Code:	2) Sample Type: (Check One) Run Off Well Water Receiving Water Leachate Effluent Other (specify)	3 Ship To: Versor Jane 6621 Electronic Dr. Spring Field. Ve 22151 Attn: Nonresponsive based on revised scope
A Regional Office:	Shipping Information: Name Of Shipper: Scalar + Coverage + Inc. Date Shipped: (2/5/8/ Airbill Number: 0179800003	
6 Description of Sample Location Simple Black Autobro Ocean (-0416	7 Mark Volume Level On Sample Bottle Date Sampled Task 1 & 2	

confall, perimeter inthute collection system MATCHES ORGANICS SAMPLE NO.0415

Ammonia & TOC _____ Fluoride & pH _____ Sulfide ____ Cyanide

GENERAL DIRECTIONS

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Inagranics Traffic Reports (TTR) must be mailed, be sure that all sheets are sent to the correct addressee.
- These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the (ITR's).
- Relate any problems and/or questions concerning SMO procedures or the use of (ITR's) to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Inorganics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-7).
- 3 Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided. here necessary, protect the label from water and solvent attack with clear plastic tape.
- For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 6, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 5. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- 6. Send the first page of each ITR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- Insert the remaining two copies (white and yellow) of the ITR in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory.

- 1. Check condition of all samples and labels on arrival
- 2. Fill in information requested in Item 8 of the Inorganics Traffic Report (TTR) and note comments regarding sample condition in Item 9.
- 3. Send the top sheet of the ITR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- Proceed with analysis, recording all pertinents on the Inorganics Data Sheets, QC Poorts and/or in the narrative section of your Weekly Report.



U.S. ENVIRONMEN L. PROTECTION AGENCY HWI Sar > Management Office P.O. Box 818, Alexandria, VA 22313 - 703/557-2490 FTS/557-2490

Sample Number MC Siss

INONGAIVIC	S TRAFFIC REPORT	
Sample Site Name / Code:	2 Sample Type: (Check One) Run Off Well Water Receiving Water Leachate Effluent Other (specify)	3 Ship To: Versar Too. 662, Electrone Dr. Spring Feels, Va. 22,5, Attn: Nonresponsive based on revised scope
Regional Office: Sampling Personnel non responsive based on revised scope (Name) hone) Lagar Alss-1515 Sampling Date: (Begin) (End) (End)	Shipping Information: Name Of Shipper- Ecology + Cavican + Inc Date Shipped: 2/5/8/ Airbill Number: 0/29800003	
6 Description of Sample Location SL#1 Antesian Water (a. Well # 3	7 Mark Volume Level On Sample Bottle Date Sampled Task 1 & 2 Task 3 Ammonia & TOC Fluoride & pH Sulfide Cyanide	

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Inogramics Traffic Reports (ITR) must be mailed, be sure that all sheets are sent to the correct addressee.
- These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the (ITR's).
- Relate any problems and/or questions concerning SMO procedures or the use of (ITR's) to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Inorganics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-7).
- 3 Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided. here necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 6, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 5. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- 6. Send the first page of each ITR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- 7. Insert the remaining two copies (white and yellow) of the ITR in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory.

- 1. Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 8 of the Inorganics Traffic Report (ITR) and note comments regarding sample condition in Item 9.
- Send the top sheet of the ITR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with analysis, recording all pertinent comments on the Inorganics Data Sheets, QC Reports and/or in the narrative section of your Weekly Report.



U.S. ENVIRONMEN^{TO A}L PROTECTION AGENCY HWI Scar Te Management Office P.O. Box 818, Alexandria, v.A. 22313—703/557-2490 FTS/557-2490

C TRAFFIC RED

Sample Number

MC &169

Sample Site Name/Code: Sample Site Name/Code: No. 2.2 1.2-9.001-17 A Regional Office: Sampling Personnel responsive based on revised scope Sampling Date: (Begin) A Sample Location SLift A Northwest Outling Personnel Task I. Task I. Task I.	S INALLIC REPORT	
Sample Site Name/Code:	2 Sample Type: (Check One) Run Off Well Water Receiving Water Leachate ORIGINAL Effluent (Red) (specify)	3) Ship To: - Velses Inci- 8621 Election c Di. ve Spring Lell, Va 22,51 Attn: Nonresponsive based on revised scope
non responsive based on revised scope thone)	Shipping Information: Name Of Shipper Colory + Environment Date Shipped: 2/5/9/ Airbill Number: 0179800003	
6 Description of Sample Location SL#4 Northwest	7 Mark Volume Level On Sample Bottle Date Sampled Task 1 & 2 2. / 5 / 8 / Task 3 Ammonia & TOC Fluoride & pH Sulfide Cyanide	

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Inagranics Traffic Reports (ITR) must be mailed, be sure that all sheets are sent to the correct addressee.
- These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the (ITR's).
- Relate any problems and/or questions concerning SMO procedures or the use of (TTR's) to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Inorganics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-7).
- 3 Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided. here necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 6, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 5. Immediately upon sample shipment, be sure to notify SMO of all relevant shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers shipped, and ETA at the laboratory.
- 6. Send the first page of each ITR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the report packet. Retain the second page (pink copy) for your files.
- Insert the remaining two copies (white and yellow) of the ITR in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory.

- 1. Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 8 of the Inorganics Traffic Report (ITR) and note comments regarding sample condition in Item 9.
- 3. Send the top sheet of the ITR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- Proceed with analysis, recording all perting a comments on the Inorganics Data Sheets, QC Proorts and/or in the narrative section of your Weekly Report.



U.S. ENVIRONMEN PROTECTION AGENCY HWI Sar Management Office
P.O. Box 818, Alexandra, VA 22313—703/557-2490 FTS/557-2490

INORGANICS TRAFFIC REPORT

Sample Number

MC 8170

40.		
Case Number: Sample Site Name/Code: 62 2 2 5 2 8101 17	2) Sample Type: (Check One) X Run Off Well Water Receiving Water Leachate ORIGINAL Effluent Other (Red) (specify)	3 Ship To: Verser Inc 6621 Electionic Dr Spring Field, Va 2215, Attn: Nonresponsive based on revised scope
A Regional Office: non responsive based on revised scope Sampling Date: (Begin) 2/5/2/(End) 2/5/3/	Shipping Information: Name Of Shipper: Ecology and Equivarine of Date Shipped: 2/5/8/ Airbill Number: 0179800003	
6 Description of Sample Location SLAFS, North Swale_ Orainoge. MATCHES ORGANICS SAMPLE NO.C-04/2	Task 3 Ammonia & TOC Fluoride & pH Sulfide Cyanide	

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Inogramics Traffic Reports (ITR) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the (TTR's).
- 6. Relate any problems and/or questions concerning SMO procedures or the use of (ITR's) to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

for your files.

- 1. Note that a separate prenumbered Inorganics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-7). 3 Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided.
 - here necessary, protect the label from water and solvent attack with clear plastic tape.
- 4. For samples containing especially hazardous substances, indicate any special handling instructions in the space provided in Item 6, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
- 5. Fill in shipping information requested in Item 5. Immediately upon sample shipment, be sure to notify SMO of all relevant
- shipped, and ETA at the laboratory. 6. Send the first page of each ITR (white copy) to the HWI Sample Management Office in the preposted envelope provided with the

shipping information including shipping date/time, air carrier, airbill numbers, total number of samples taken and containers

report packet. Retain the second page (pink copy) for your files. 7. Insert the remaining two copies (white and yellow) of the TTR in a waterproof Ziploc bag and ship along with the corresponding samples to the designated IFB laboratory.

- 1. Check condition of all samples and labels on arrival.
- 2. Fill in information requested in Item 8 of the Inorganics Traffic Report (TTR) and note comments regarding sample condition
- in Item 9 3. Send the top sheet of the ITR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy
- 4. Proceed with analysis, recording all pertinent comments on the Inorganics Data Sheets, QC Reports and/or in the narrative section of your Weekly Report.



U.S. ENVIRONMENT L. PROTECTION AGENCY HWI Same to Management Office P.O. Box 818, Alexandria, v A 22313-703/557-2490 · FTS/557-2490

TODO KATOO TO KETTO DEDOD!

Sample Number MC 8171

"MALE PROTECT"	3 INATTIC REPORT	
Case Number: 273 Sample Site Name/Code:	2 Sample Type: (Check One) * Run Off Well Water Receiving Water ORIGINAL Leachate Effluent Other (specify)	3 Ship To: Versar Inc. 6621 Checkronic Ur. Springfield, Va. 22157 Attn: Nonresponsive based on revised scope
Regional Office:3 Sampling Personnel: non responsive based on revised scope hone)	Shipping Information: Name Of Shipper: Ecology of Environment Inc. Date Shipped: Airbill Number: 0179800003	
6 Description of Sample Location L#6 Pageon Point Well # 28 MATCHES ORGANICS SAMPLE NO. (-0413)	Mark Volume Level On Sample Bottle Date Sampled Task 1 & 2 2 - 5 - 81 Task 3 Ammonia & TOC Fluoride & pH Sulfide Cyanide	

- 1. Use only the materials provided to record sample information.
- 2. Familiarize yourself with all types of information requested of you, and fill in this information completely for each sample taken.
- 3. Press firmly with ball point pen or pencil, and make sure all information is transferred to carbon pages.
- 4. Where Inagranics Traffic Reports (ITR) must be mailed, be sure that all sheets are sent to the correct addressee.
- 5. These instructions, as well as the address and phone number of the HWI Sample Management Office (SMO) are reproduced for your convenience on the back of each page of the (ITR's).
- Relate any problems and/or questions concerning SMO procedures or the use of (TTR's) to the HWI Sample Management Office at (703) 557-2490.

SAMPLER DIRECTIONS

- 1. Note that a separate prenumbered Inorganics Traffic Report must be completed for each point sampled during a given site visit.
- 2. Fill in all information requested relating to an individual sampling point (Items 1-7).
- 3 Mark volume level on all sample containers, and identify each container using the appropriate pre-printed label provided. here necessary, protect the label from water and solvent attack with clear plastic tape.
- For samples containing especially hazardous substances, indicate any special handling instructions in the space provided
 in Item 6, and attach a separate tag bearing the appropriate SMO Sample ID number in addition to the label provided.
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- 3. Send the top sheet of the ITR (white copy) to the HWI Sample Management Office and retain the remaining yellow copy for your files.
- 4. Proceed with analysis, recording all pertinent comments on the Inorganics Data Sheets, QC ports and/or in the narrative section of your Weekly Report.

					AINDILL N	MIDEN	
EXPRESS	PLEASE COMPLETE ALL INFORMATION SEE BACK OF FORM SET FOR COMPLETE			ORIGII	AAL		•
YOU	FEDERAL EXPRESS ACCOUNT NUMBER	1	DATE	8/ (Rec	i)		
ion responsive based	on revised scope		TO (Recipient	Name) prresponsive based on revised scop	If Hold For Recipient's	Pick-Up or Saturday Delivery, Phone Number	
COMPANY	DEPARTMENT/FLO	OOR NO.	COMPANY	7,100	DEPARTM	ENT/FLOOR NO.	1 .
ELOLOGY MUD E	INVIDANAENT]	CNC.	Ve.140	ir Inc.			
FECIALLY EXPLESS	PHL 191			Electropic D	NOT DELIVERABLE)		
FOLCROFT PA		TATE	CITY	firld		STATE	ОРУ
AIRBILL NO. D179800	ZIP ACCURATE ZIP CODE REQUIRED FOR CORRECT INVOICING		F.E.C. SHALL NOT	SHIPMENT, SHIPPER ACREES THAT BE LIABLE FOR SPECIAL, INCIDEN- INTIAL DAMAGES ARISING FROM CARRIAGE HEREOF, F.E.C. DIS-	ZIP ACCURATE ZIP CODE REGUL FOR OVERHIGHT DELIVERY 2 2 1 5	RÉD	၁
YOUR NOTES/REFERENCE NUMBERS (FIRST 12 CHA	ARACTERS WILL ALSO APPEAR ON INVOICE)			CLAIMS ALL WARRANTIES, EXP	RESS OR IMPLIED, WITH	FEDERAL EXPRESS USE	<u>E</u>
SAM 03810	117		-	RESPECT TO THIS SHIPMENT, TH AIRBILL SUBJECT TO CONDITIONS		FREIGHT CHARGES	٥
	ecipient's F.E.C. Acct. Bill 3rd Party F.E.C. Ac	cct. 🔲 Bill Credit (Card	ON REVERSE OF SHIPPER'S COPY.	UNLESS YOU DECLARE A	1	≞
☐ Cash In Advance Account to	Number/Credit Card Number 20075	14		PORATION IS LIMITED TO \$100.00		DECLARED VALUE CHARGE	S
SERVICES SHECK ONLY ONE BOX	DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED	PIECES WEIGHT	DECLARED 0/S				. (
ONE (P-1)		1 50]	AGT/PRO	ADVANCE ORIGIN	
MI (OVERSONT PACKAGES) 6	1 TEPERAL EXPRESS LOCATION SHOWN			1			
COURIER PAK 7	IN SERVICE GUIDE.			1	AGT/PRO	ADVANCE DESTINATION	•
2 (in to 7 LBS)	2 DILIVER]	,		
3 OVERNIGHT BOX 9	3 SATURDAY SERVICE REQUIRED See Reverse (Extra charge applies for delivery)	TOTAL JOTAL	TOTAL]		OTHER	
4 (up to 5 less)	4 RESTRICTED ARTICLES SERVICE (P-1 and Standard As Packages only, extra charge)	RECEIVED AT					1
STANDARD AIR	5 SSS (Sgnature Security Service required, extra charge applies)	SHIPPER'S DOOR	R TOP			TOTAL CHARGES	
5 DELIVERY 2ND BUSINESS OAY FOLLOWING PICK UP	6	F.E.C. LOC.	STOR F 19	TO COLOR	_		
	7 T OTHER SPECIAL SERVICE.		oration Employee No.				
OVERNIGHT" IS DEFINED AS NEXT BUSINESS DAY	8 🗆	14267		92		PART # 2041734049	•
MONDAY THROUGH FRIDAY). SEE SPECIAL ANDLING FOR SATURDAY DELIVERY.	9 🗆	DATE/TIME For Fede	erat Express,Use			REVISION DATE 5-15-80 PRINTED USA	
San San San San San San San San San San		2/5/5/	1965			Thirties work	

- In tendering the shipment for carriage the shipper agrees to these TERMS AND CONDITIONS OF CONTRACT which no agent or employee of the parties may after and that this Federal Express Althittis NON-NEGOTIABLE and has been prepared by him or on his behalf by Federal Express.
- The shipper agrees that carriage is subject to terms and conditions of contract stated herein and those terms and conditions which are also stated in the most recent Federal Express Service Gulde, which is available for inspection and incorporated into this contract by reference.
- 3. In tendering the shipment for carriage, THE SHIPPER WARRANTS that the shipment is packaged adequately to protect the enclosed goods and to insure safe transportation with ordinary care and handling, and that each package is appropriately labeled and is in good order (except as noted) for carriage as specified.
- propriately labeled and is in good order (except as noted) for carriage as specified,

 4. When the destination of the shipment is not within the Federal Express air terminal zone as listed in the most recent Federal Express Service Guide, Federal Express makes no commitment with respect to time of delivery of the shipment.
- 5. In the event of international carriage of any shipment hereunder, the rules relating to liability established by the Convention for the Unification of Certain Rules Relating to International Cerriage by Air signed at Warsaw, Poland on October 12, 1929 shall apply to the carriage insofar as the same is governed thereby.
- Federal Transportation Excise Tax. Pursuant to Section 4271 of the Internal Revenue Code, a 5% tax on air transportation portion of the service and the accessorial services related thereto is included within the basic rate.
- 7. DECLARED VALUE AND LIMITATION OF LIABILITY. THE LIABILITY OF FEDERAL EXPRESS IS LIMITED TO THE SUM OF \$100.00 unless a higher value is declared for carriage herein and a greater charge paid at the rate of 30¢ per \$100.00 value. In the case of P-1 service the maximum higher declared value is \$5000,00. In the case of Courier Pak, or Standard Air Service, the maximum higher declared value is \$2,000.00. Shipments containing items of extraordinary value, including, but not limited to, drawings, paintings, sculptures, porcelain, ceramics, furs, jewelry, fur trimmed clothing, watches, gems, stones, money, bullion, currency, coins, trading stamps, or other extraordinary valuable Items, are limited to a maximum declared value of \$500.00. In the case of P-1 service when multiple shipments are placed on a single airbill but the shipper has not specified the declared value of each individual shipment, the declared value for each individual shipment will be determined by dividing the total declared value on the airbill by the number of shipments indicated on the airbill, subject to a \$100.00 minimum declared value per individual shipment. In the case of Standard Air Service, when the shipment consists of two or more pieces, the declared value for each piece will be determined by dividing the declared value on the airbill by the number of pieces in the shipment. The liability of Federal Express is limited to the declared value of the shipment or the amount of loss or damage actually sustained, whichever is lower.

Federal Express is not liable for loss, damage, delay, mis-delivery or non-delivery not caused by its own negligence or any loss, damage, delay, mis-delivery or non-delivery caused by the act, default or omission of the shipper, consignee, or any other party who claims interest in the shipment, the nature of the shipper or any defect, characteristic of inherent vice thereof; violation by the shipper or consignee of any of the conditions of contract contained in this airbill or in the Federal Express

Service Guide, including, but not limited to, improper of insufficient packing, securing, marking or addressing, or failure to observe any of the rules relating to shipments not acceptable for transportation or shipments acceptable only under certain conditions; acts of God, perils of the air, public enthorities acting with actual or apparent authority authority of law, acts or omissions of customs or quarantine officials, riots, strikes or other local disputes, civil commotions, hazards incident to a state of wer, weather conditions or mechanical delay of the alicraft or acts or omissions of any person other than FEC, including compliance with delivery instructions from the shipper or consignee. FEC shall not be liable for the loss of articles loaded and sealed in packages telains its basic integrity. FEDERAL EXPRESS SHALL NOT BE LIABLE IN ANY EVENT FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS OR INCOME WHETHER OR NOT FEDERAL EXPRESS HAD KNOWLEDGE THAT SUCH DAMAGES MIGHT BE INCURRED.

- 8. CLAIMS. WRITTEN NOTICE OF LOSS DUE TO DAMAGE, SHORTAGE OR DELAY MUST BE REPORTED BY THE SHIPPER WITHIN 15 DAYS AFTER THE DELIVERY OF THE SHIPMENT. WRITTEN NOTICE OF LOSS DUE TO NON-DELIVERY MUST BE REPORTED BY THE SHIPPER WITHIN 90 DAYS AFTER AC-CEPTANCE OF THE SHIPMENT OR: CARRIAGE. Written notification will be considered to have been made if the shipper calls and notifies the Customer Services Department at 800/238-5355 (in Tennessee 800/542-5171) and as soon as practicable thereafter files a written notification. Documentation of all claims other than overcharge claims must be submitted in writing to FEC within ninety (90) days after receipt of written notification. No claim for damage will be entertained until all transportation charges have been paid. The amount of a claim may not be deducted from the transportation charges. Receipt of the shipment by the consignee without written notification of damage on the delivery receipt shall be prima facie evidence that the shipment was delivered in good condition, except that in the case of claims for concealed damage which is not discovered at the time of delivery, the shipper shall notify FEC in writing as promptly as possible after the discovery thereof as any event not later than 15 days from the date of delivery. The shipper must the original shipping cartons and packing available for inspection by FEC C. for overcharges and refunds must be made in writing to FEC within twelve (12) months of the billing date. All claims must be filed by the shipper. 9. All shipments are subject to inspection by FEC, including but not limited to,
- 9. All shipments are subject to inspection by FEC, including but not limited to, opening the shipment. However, FEC is not obligated to perform such inspection 10. C.O.D. services are not available and a C.O.D shipment sent in error will be delivered as a normal pre-paid or collect shipment.
- 11. Federal Express carries no cargo liability insurance but maintains a separate fund for the satisfaction of cargo claims which may arise out of the carriage of cargo pursuant to the conditions of contract contained herein and in the most recent Federal Express Service Guide
- 12. Notwithstanding the shipper's instructions to the contrary, the shipper shall be primarily liable for all costs and expenses related to the shipment of the package, and for costs incurred in either returning the shipment to the shipper or warehousing the shipment pending disposition.

EXPRES	PLEASE COMPLETE ALL INFORMATION SEE BACK OF FORM SET FOR COMPLETE					
EX. YOU	IR FEDERAL EXPRESS ACCOUNT NUMBER	}	2/5/R	7	ORIGINAL (Red)	
DM (Your Name)			TO/Recipient's	Name)	- 13 HQID FQ1	Pick-Up or Saturday Delivery, Phone Number
TOURS AUD FU	VIRONMENT TUC		Nonrespons	sive based on revised sco	pe Recipient s	Phone Number
		DOR NO.	 		DEPARTM	IENT/FLOOR NO.
responsive based on r	evised scope		West	Coast Techn	11. 1 Salvi	co Zee.
ET ADDRESS			STREET ADDR	ESS (P.O. BOX NUMBERS ARE	NOT DELIVERABLE)	,
denal Express	PHL 191		17605	Fabrica Way	S,,, ŧ	
	→ sr	ATE	CITY	. 1		STATE
LCROFT	\mathcal{D}_{A} .		Celt	itur.		<u> </u>
BILL NO. 017777	ZIP ACCURATE ZIP CODE REQUIAED FOR CORRECT INVOICING		F.E.C. SHALL NOT	SHIPMENT, SHIPPER AGREES THAT BE LIABLE FOR SPECIAL, INCIDEN- NTIAL DAMAGES ARISING FROM	ZIP ACCURATE ZIP CODE REG.	RRED .
OTES/REFERENCE NUMBERS (FIRST 12 CH/	ARACTERS WILL ALSO APPEAR ON INVOICE)			CARRIAGE HEREOF. F.E.C. DIS- CLAIMS ALL WARRANTIES, EXP	RESS OR IMPLIED, WITH	FEDERAL EXPRESS USE
m 038101-1	7			RESPECT TO THIS SHIPMENT. TH	IS IS A NON-NEGOTIABLE	FREIGHT CHARGES
	# # # # # # # # # # # # # # # # # # #			AIRBILL SUBJECT TO CONDITIONS ON REVERSE OF SHIPPER'S COPY.		
	ecipient's F.E.C. Accl. Bill 3rd Party F.E.C. A			HIGHER VALUE, THE LIABILITY OF	FEDERAL EXPRESS COR	DECLARED VALUE CHARGE
	Number/Credit Card Number		2075/4	PORATION IS LIMITED TO \$100.00).	DEGLATED VALUE GRANGE
SERVICES CHECK ONLY ONE BOX	DELIVERY AND SPECIAL HANDLING CHECK SERVICES REQUIRED	PIECES WEIGHT	DECLARED 0/S			
PRIORITY ONE (P-1)		3 70			AGT/PRO	ADVANCE ORIGIN
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		70		1		
VERNIGHT ENVELOPE 8	2 ELIVER	TOTAL TOTAL	TOTAL	-		OTHER
VEROGENT BOX to 5 LBS) 9	3 Son Reverse (E-IX) Ethicipe applies for delivery 3'	TOTAL TOTAL	TOTAL		-	UINCH +
VERVOCHT TUBE Up 16 5 LBS)	4 RESTRICTED ARTIQLES SERVICE (P-1) and Significant Air Packages only, extra charge)	RECEIVED AT	I			
STANDARD AIR	5 SSS (Signature Security Service required, edita charge applies)	SHIPPER'S DOOR				TOTAL CHARGES
ELIVERY 2ND BUSINESS IAY FOLLOWING PIOX UP	6 DAY 60:	☐ ON-CALL	99°/ 0			
ny resourced PMA OF	_	Federal Express Corp	oration Employee No.			
	7 OTHER SPECIAL SERVICE.	reueral express corp	oracon employee No.			DART # 0014701045
IGHT" IS DEFINED AS NEXT BUSINESS DAY Y THROUGH FRIDAY), SEE SPECIAL	8 🗆	47.62	*			PART # 2041734049 REVISION DATE 5-15-80
NG FOR SATURDAY DELIVERY.	9 🗆	DATE/TIME For Fed	eral Express Use			PRINTED USA

- In tendering the shipment for carriage the shipper agrees to these TERMS AND CONDITIONS OF CONTRACT which no agent or employee of the parties may alter and that this Federat Express Airbill is NON-NEGOTIABLE and has been prepared by him or on his behalf by Federal Express.
- The shipper agrees that carriage is subject to terms and conditions of contract stated herein and those terms and conditions which are also stated in the most recent Federal Express Service Guide, which is available for inspection and incorporated into this contract by reference.
- 3. In tendering the shipment for carriage, THE SHIPPER WARRANTS that the shipment is packaged adequately to protect the enclosed goods and to insure sate transportation with ordinary care and handling, and that each package is appropriately labeled and is in good order (except as noted) for carriage as specified.
- transportation with ordinary care and handling, and that each package is appropriately labeled and is in good order (except as noted) for carriage as specified. 4. When the destination of the shipment is not within the Federal Express air terminal zone as tisted in the most recent Federal Express Service Guide. Federal Ex-
- press makes no commitment with respect to time of delivery of the shipment.

 5. In the event of international carriage of any shipment hereunder, the rules relating to liability established by the Convention for the Unification of Certain Rules Relating to International Carriage by Air signed at Warsaw, Poland on October 12, 1929 shall apply to the carriage insofar as the safee is governed thereby.
- Federal Transportation Excise Tax. Pursuant to Section 4271 of the Internal Revenue Code, a 5% tax on air transportation portion of the service and the accessorial services related thereto is included within the basic rate.
- 7. DECLARED VALUE AND LIMITATION OF LIABILITY. THE LIABILITY OF FEDERAL EXPRESS IS LIMITED TO THE SUM OF \$100.00 unless a higher value is declared for carriage herein and a greater charge paid at the rate of 30¢ per \$100.00 value. In the case of P-1 service the maximum higher declared value is \$5000.00. In the case of Courler Pak, or Standard Air Service, the maximum higher declared value is \$2,000.00. Shipments containing items of extraordinary value, including, but not limited to, drawings, paintings, sculptures, porcelain, ceramics, furs, lewelry, fur trimmed clothing, watches, gems, stones, money, bullion, currency, coins, trading stamps, or other extraordinary valuable items, are limited to a maximum declared value of \$500,00. In the case of P-1 service when multiple shipments are placed on a single airbill but the shipper has not specified the declared value of each individual shipment, the declared value for each individual shipment will be determined by dividing the total declared value on the airbill by the number of shipments indicated on the airbill, subject to a \$100.00 minimum declared value per individual shipment. In the case of Standard Air Service, when the shipment consists of two or more pieces, the declared value for each piece will be determined by dividing the declared value on the airbill by the number of pieces in the shipment. The liability of Federal Express is limited to the declared value of the shipment or the amount of loss or damage actually sustained, whichever is lower.

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Service Guide, including, but not limited to, improper or insulficient packing, securing, marking or addressing, or faulure to observe any of the rules relating to ohipments not acceptable for transportation or shipments acceptable may under certain conditions; acts of God, perils of the air, public enemies, public authorities acting with actual or apparent authority, authority of law, acts or omissions of acustoms or quarantine officials, rots, strikes or other local disputes, civil commotions, hazards incident to a state of war, weather conditions or mechanical datay of the aircraft or acts or omissions of any person other than FEC, including compliance with delivery instructions from the shipper or consignes. FEC shall not be liable for the loss of articles loaded and sealed in packages by the shipper provided the seal is unbroken at the time of delivery and the package retains its basic integrity. FEDERAL EXPRESS SHALL NOT BE LIABLE IN ANY EVENT FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS OR INCOME WHETHER OR NOT FEDERAL EXPRESS HAD KNOWLEDGE THAT SUCH DAMAGES MIGHT BE INCURRED.

- 8 CLAIMS. WRITTEN NOTICE OF LOSS DUE TO DAMAGE, SHORTAGE OR DELAY MUST BE REPORTED BY THE SHIPPER WITHIN 15 DAYS AFTER THE DELIVERY OF THE SHIPMENT. WRITTEN NOTICE OF LOSS DUE TO NON-DELIVERY MUST BE REPORTED BY THE SHIPPER WITHIN 90 DAYS AFTER AC-CEPTANCE OF THE SHIPMENT OR CARRIAGE. Written notification will be considered to have been made if the shipper calls and notifies the Customer Services Department at 800/238-5355 (in Tennessee 800/542-5171) and as soon as practicable thereafter files a written notification. Documentation of all claims other than overcharge claims must be submitted in writing to FEC within ninety (90) days after receipt of written notification. No claim for damage will be entertained until all transportation charges have been paid. The amount of a claim may not be deducted from the transportation charges. Receipt of the shipment by the consignee without written notification of damage on the delivery receipt shall be prima facile evidence. that the shipment was delivered in good condition, except that in the case of claims for concealed damage which is not discovered at the time of delivery, the ship shall notify FEC in writing as promptly as possible after the discovery thereof a any event not later than 15 days from the date of delivery. The shipper must make the original shipping cartons and packing available for inspection by FEC. Claims for overcharges and refunds must be made in writing to FEC within twelve (12) months of the billing date. All claims must be filed by the shipper.
- 9. All shipments are subject to inspection by FEC, including but not limited to, opening the shipment. However, FEC is not obligated to perform such inspection. C.O.D. services are not available and a C.O.D. shipment sent in error will be delivered as a normal pre-paid or collect shipment.
- 11. Federal Express carries no cargo liability insurance but maintains a separate fund for the satisfaction of cargo claims which may arise out of the carriage of cargo pursuant to the conditions of contract contained herein and in the most recent Federal Express Service Guide.
- 12. Notwithstanding the shipper's instructions to the contrary, the shipper shall be primarily liable for all costs and expenses related to the shipment of the package, and for costs incurred in either returning the shipment to the shipper or warehousing the shipment pending disposition.

ORIGINAL (Red) Rigeon Point Al Madora 302-366-7800 Pay Trout 571 - 7875 Lee Moon - Wednesday First of North Lampson Lane follow to end 9:00. Wednesday 14th

ORIGINAL (Red)

l. Withdrawal Number

2. Well depth (feet)

3. Well casing length (feet)

4. Casing diameter (inches)

5. Screen interval (feet)

Gravel pack

7. Cement grouted

8. Yield (gpm)

Specific capacity (gal/min/ft)

10. Name of aquifer or pond or stream

11. Driller

12. 'Date drilled

13. Water level access

1 Metering

15. Permit information

16. Two Road locations

Office use only:

SOURCE DATA: Please complete as fully as possible all irrigation systems

	7	T	Γ	1	
8	9	10	11	12	
(b					
(b)	(9)	(b) (9)		
Columbia	Columbia*	Columbia*	Columbia*	Lower Potomac	
"non resp	onsive ba	sed on rev	ised scop	e"	
12/17/46	9/28/49	10/8/48	4/16/52	1972	
				WR-6-1035/72	
Cd-43-5	Cd43-3	CD43-4	CD43-11	Same locatio test hole #2	

Cd44-1

^{*}Pumpage over Potomac Subcrop

EVIDENCE AUDIT DOCUMENT WORKSHEET

III. DE -810-17-8-81-012

Project No. F 3 -8101-17

Project Location Rigeon Point, Delawore

FIT Team Region III EFE

Date February OJ 1981

"non responsive based on revised scope

Signature

DOCUMENT TYPE	DOCUMENT NUMBER	SIGNED?	DATED?	RECORDEI IN INK?	PROPERLY	ALL BLANKS COMPLETED:	REMARKS
sample Lag	3-1253 SL 3 Well # 1A	$\sqrt{}$				1	04/4 1 011/10
Sample tag	3-1256 well 4A			J			purity following / Volutile
somple tray	3-1254 way	1	Ţ	1	,/	(
sounde tag'	3-1255 Well #1A	$\sqrt{}$		J	/	1	priority Polletonke
cande Lag	3-1257 walliA	J	5		1	.(Priority Pollutent
Sample dag	3-1203 LWEY # 3			1		7	
Sowoll Lag	3-1244 Well 43	ij.,	/		,		priority followants
Souple top	3-1245 Hell # 3		J				printy polly hand
something	5-1202 Well#3	1		5	$\sqrt{}$		printy pollydant
samell tog	3-1205	1		J	J	7	0.0
ionpu ty	3-1204 well#3	- V	J	J		5	P. P & volatile Oganics
souple to	3-12-78 mell #9	\(/	11	J	J	1	O D
sumply tog	3-1246 Well 9	ORIA			J	V	00
samp 4 tag	3-1247 Well 9	NA V	V		- J		0 0
surply tag	3-1249 well 9		1	1	$\sqrt{}$	J	2. 2.
sample tag	3-1250 INC/ 9		J	V	V	1	PP & V.O.
		V.					

III - - E - F3-8101-17: 8 - 81-039

EVIDA AUDIT DOCUMENT CHECKLIST

roject Location P. Agree 91. Polyman?

"T Team non responsive by

Date 2/5/8/

± -

Signature

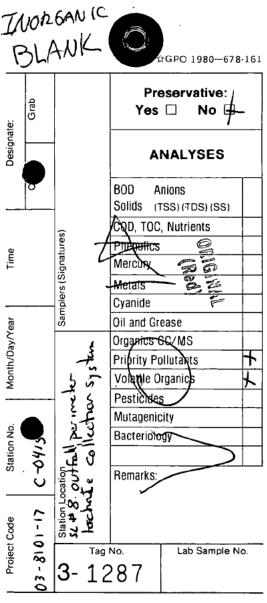
Decument Type	Becument No.	Is the document signed	Is the document dated	Are recordings in ink	Are errors properly corrected	Are all blanks completed	Remarks
imple Receipt.	3-0228	Y03		Y+5		Yes	
Sumplo Tag	3-1231	Y 25	Y 45	Υ <i>ω</i> ς	No CHAIS	Yes	51.527
	3-1286	Yrs	YPS	Yes	180 proces	Yes	#8
	3-1239	Yes	Yes	y rs.	No erros	Y.es	# 5
·//	3-1375	Yes	Yes	Yes	the exects	Yes	#g
	3-1295	Yes	Yes	Yrs	11: 01 m 15	Yes	#8
<u>' </u>	3-1:51 1-0485	. Y es	\ ~S	Y es	146 01:015	Yes	#3
. /1	5-1271	Y.es	Yes	y es	No prices	Yes	# 7
<i>'</i> ,	3-1270	> es	Yes .	× 45	Ma encis	Yes	#7
/,	3-1277	1 05.	Yes	Y 25	11/2 execus	Y 125	¥7
')	3-1276-	<u> </u>	Yes	Y.es	No Privits	Yes	<i>±</i> 7
, , ,	3-1286	· Yes	y es	X =2.	No chrois	Yos	# 5 contains 1
<u>;,</u>	3-1220	Y 05 = 3		Y. er	No errors	Yo	# 7 Contains
property Traffic	C-0107	No signiture	Ars Yes	Yes	No ervors	Yes	(050 39) A.B-017979992
Inorgan es Traffic	1416-8162	No signature		Yis	Novirons	705	Well 2 5.6. #3

7 8 8 8 8 8	3 3 3 3 3 3 3 3		9 9 9 9 9	000	0000	99999	00000	000	06
3	LABS: INORGAN	ic -> V	5.25.4R ->	ponsive based on revised "non responsive b	assed on revised scope"	To Co	Ć		
	ORGANIC'S WEST	OAST TEC	H. SERU INC	→		Original (Red)		, ,	
ORGANIC	CORRESPONDING	LASE	SITE NAME	E D H	400	DATE ORGANIC	FEO EXP	LAR	7,7 6
C-0408	MC 8166	393 \$	Artesian Water		03-8107-1	///	0179799992		INI.
C-'0409	nc 8167	_	Atlas Point Mont Well #		03-810>-17	, ,	Λ	/1	
C-0410	MC\$168	// #	Pigron Point Well # 1A	/ι	11	((()	11	•
c-0411	MC 8169	11 3	Drainage Pond	1)	a	(1	η	. 11	
C-0412	MC8170	1 1 5	Drainage	1	l1	/1	a	12	
C-0413	MC8171	1, 3	Well # 28	/1	((/1	"("	
C-0414	nc-8172.	1 1	South Lerchale Pond	11	٨	٠,	((.	11	<u> </u>
C-0415	nc-8173	11 34	outfall, Perimeto leechale collection system	(1	a :	(/("(
C-0416	14-8173	(Sawde Blank	1	10	/r	15 .	, -	
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PIGEON POWT LANDFILL F3-8101-17 DE-27

PHOTO PROCESSING RECORD

Person who took photos: Signature: Person who removed film from camera: Name: Date: 2/12/01 Signature (pay) The Person who took film to the processor: Name: Date: Signature: Name of Processor: Person who picked up processed photos: Signature: Person who took photos receives processed photos for labelling purposes: Name: Signature: If SITL did not take pictures: SITL accepts final custody of photos for Master File: Signature:



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 3 Curtis Bldg., 6th & Walnut Streets Philadelphia, Pennsylvania 19106



